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Documents 1 to 6 of 6 from your search "**watermark\$3 AND image\$2 AND low ADJ resolution**" in all the available information:

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2004. (INZZ) A new **low-resolution** and robust digital **watermarking** technique for the personalization of travel documents.

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2004. (INZZ) Fused **watermark** detection on noisy interpolated **images**.

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2004. (INZZ) Digital **watermarking** of 3D meshes.

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2001. (INZZ) A **low resolution** content based **watermarking** of **images** in wavelet domain.

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2001. (INZZ) Quantisation **watermarking** in the JPEG2000 coding pipeline.

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1998. (INZZ) Multiresolution **watermarking** for digital **images**.

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**INSPEC - 1969 to date (INZZ)****Accession number & update**

6038267, B9811-6140C-194, C9811-5260B-146; 980929.

**Title**Multiresolution **watermarking** for digital **images**.**Author(s)**

Chion-Ting-Hsu; Ja-Ling-Wu.

**Author affiliation**

Dept of Comput Sci &amp; Inf Eng, Nat Taiwan Univ, Taipei, Taiwan.

**Source**

IEEE-Transactions-on-Circuits-and-Systems-II-Analog-and-Digital-Signal-Processing (USA), vol.45, no.8, p.1097-101, Aug. 1998. , Published: IEEE.

**CODEN**

ICSPE5.

**ISSN**

ISSN: 1057-7130, CCCC: 1057-7130/98/ (\$10.00).

**Availability**

SCI: 1057-7130(199808)45:8L.1097:MWDI; 1-7

Electronic Journal Document Number: S1057-7130(98)04693-X.

**Publication year**

1998.

**Language**

EN.

**Publication type**

J Journal Paper.

**Treatment codes**

P Practical; T Theoretical or Mathematical; X Experimental.

**Abstract**

In this paper, a multiresolution-based technique for embedding digital "**watermarks**" into **images** is proposed. The **watermarking** technique has been proposed as a method by hiding secret information in the **images** so as to discourage unauthorized copying or attesting the origin of the **images**. In our method, we take advantage of multiresolution signal decomposition. Both the **watermark** and the host **image** are composed of multiresolution representations with different structures and then the decomposed **watermarks** of different **resolution** are embedded into the corresponding **resolution** of the decomposed **images**. In case of **image** quality degradation, the **low-resolution** rendition of the **watermark** will still be preserved within the corresponding **low-resolution** components of the **image**. The experimental results show that the proposed **watermarking** technique results in an almost invisible difference between the **watermarked image** and the original **image**, and is robust to common **image** processing operations and JPEG lossy compression. (13 refs).

**Descriptors**

copy-protection; image-representation; image-resolution; security-of-data; wavelet-transforms.

**Keywords**

multiresolution **watermarking**; digital **images**; digital **watermark** embedding; secret information concealment; unauthorized copying prevention; multiresolution signal decomposition; host **image**; multiresolution representations; **image** quality degradation; **image** processing operations robustness; JPEG lossy compression robustness; DWT; permutations.

**Classification codes**

B6140C (Optical information, **image** and video signal processing).  
B0230 (Integral transforms).  
B0290Z (Other numerical methods).  
C5260B (Computer vision and **image** processing techniques).  
C1250 (Pattern recognition).  
C6130S (Data security).  
C1130 (Integral transforms).  
C4190 (Other numerical methods).

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# **STIC Search Report**

## **EIC 2600**

**STIC Database Tracking Number: 135507**

**TO: Ashutosh Upreti**  
**Location: CPK1 4E06**  
**Art Unit: 2623**  
**Tuesday, October 26, 2004**

**Case Serial Number: 09/955146**

**From: Pamela Reynolds**  
**Location: EIC 2600**  
**PK2-3C03**  
**Phone: 306-0255**

**Pamela.Reynolds@uspto.gov**

### **Search Notes**

Dear Ashutosh Upreti

Please find attached the search results for 09955146. I used the search strategy I emailed to you to edit, which you did. I searched the standard Dialog files, IBM TDBs, IEEE, Inspec, and the internet.

If you would like a re-focus please let me know.

Thank you.

46

Access DB# 135507

#46

## SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: ASHUTOSH UPRETI Examiner #: 80588 Date: 10/19/04  
 Art Unit: 2623 Phone Number 306-4087 Serial Number: 09/955,146  
 Mail Box and Bldg/Room Location: CPK1/4E06 Results Format Preferred (circle): PAPER ~~DISK~~ ~~EMAIL~~

If more than one search is submitted, please prioritize searches in order of need.

\*\*\*\*\*

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: Image Transmission System, Method of the Same, and Recording Medium

Inventors (please provide full names): HIROSHI TERASAKI

Earliest Priority Filing Date: 09/25/00

\*For Sequence Searches Only\* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

Please search non-patent literature for the following:

- \* A low resolution watermark in a high resolution image.
- The image and watermark should ideally be digital/electronic.
- The watermark should be embedded/inserted inside the image.

Keywords: Image, Watermark, Low Resolution, High Resolution, embedded

IEEE literature is likely to have something relevant

## STAFF USE ONLY

Searcher: Pamela Reynolds

Searcher Phone #: 306-0255

Searcher Location: PK2303

Date Searcher Picked Up: 10-25-04

Date Completed: 10-25-04

Searcher Prep & Review Time: 30

Clerical Prep Time: 100

Online Time: 100

## Type of Search

Sequence (#) \_\_\_\_\_

AA Sequence (#) \_\_\_\_\_

Structure (#) \_\_\_\_\_

Bibliographic ☒

Litigation \_\_\_\_\_

Fulltext ☒

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## Vendors and cost where applicable

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Dr.Link \_\_\_\_\_

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Sequence Systems \_\_\_\_\_

WWW/Internet ☒

Other (specify) ☒

File 348:EUROPEAN PATENTS 1978-2004/Oct W03

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File 349:PCT FULLTEXT 1979-2002/UB=20041021,UT=20041014

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Set	Items	Description
S1	3863	WATERMARK? OR WATER()MARK?
S2	12019	(DIGIT? OR ELECTRONIC?) (3N) (MARKER? OR MARKING? OR SYMBOL? OR STENCIL? OR PATTERN? OR FINGERPRINT? OR IDENTIFIER? OR MAS- K?)
S3	296	STEGANOGRAPH?
S4	14472	(LOW? OR LESSER) (3N)RESOLUTION?
S5	45265	(HIGH OR MORE) (3N)RESOLUTION?
S6	589663	IMAGE? OR GRAPHIC? OR PICTURE? OR PHOTO OR PHOTOGRAPH?
S7	1663	(S1 OR S2 OR S3) (3N) (EMBED? OR MERG? OR JOIN? OR INSERT? OR ATTACH? OR INTEGRAL? OR INTEGRAT? OR EMBOSS? OR ADHER? OR ADD OR ADDED OR ADDING)
S8	1956	(DETECT? OR LOCAT? OR DETERMIN? OR SPECIF?) (3N) (S1 OR S2 OR S3)
S9	738	(PURCHAS? OR BUY?) (3N)S6
S10	34	AU=(TERASAKI, H? OR TERASAKI H?)
S11	26502	IC=G06K? OR G06F?
S12	8	S7(S)S6(S)S4(S)S5
S13	2	S12 NOT PY=>2001
S14	0	S10 AND S4 AND S5
S15	0	S10 AND S7
S16	7	S9(S)S4(S)S5
S17	6	S16 NOT S12
S18	1	S17 NOT PY=>2001
S19	13	S9(S)S7
S20	1	S19(S)S4(S)S5
S21	0	S20 NOT (S12 OR S16)
S22	2	S19(S) (S4 OR S5)
S23	1	S22 NOT (S12 OR S16)

13/3,K/1 (Item 1 from file: 348)  
DIALOG(R) File 348:EUROPEAN PATENTS  
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00985928

**Image processing apparatus, method and recording medium therefor**  
**Bildverarbeitungsvorrichtung und -verfahren und Aufzeichnungsmedium dafür**  
**Appareil et procede de traitement d'image et support d'enregistrement**  
PATENT ASSIGNEE:

CANON KABUSHIKI KAISHA, (542361), 30-2, 3-chome, Shimomaruko, Ohta-ku,  
Tokyo, (JP), (Applicant designated States: all)

INVENTOR:

Matsumoto, Kentaro, Canon Kabushiki Kaisha, 30-2, Shimomaruko 3-chome,  
Ohta-ku, Tokyo, (JP)

Uchio, Hirokazu, Canon Kabushiki Kaisha, 30-2, Shimomaruko 3-chome,  
Ohta-ku, Tokyo, (JP)

LEGAL REPRESENTATIVE:

Beresford, Keith Denis Lewis et al (28273), BERESFORD & Co. High Holborn  
2-5 Warwick Court, London WC1R 5DJ, (GB)

PATENT (CC, No, Kind, Date): EP 892545 A2 990120 (Basic)  
EP 892545 A3 000412

APPLICATION (CC, No, Date): EP 98305700 980716;

PRIORITY (CC, No, Date): JP 97192364 970717; JP 97192365 970717; JP  
97250504 970916

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;  
LU; MC; NL; PT; SE

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: H04N-001/00; H04N-001/32

ABSTRACT WORD COUNT: 71

NOTE:

Figure number on first page: 2

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9903	1756
SPEC A	(English)	9903	6848
Total word count - document A			8604
Total word count - document B			0
Total word count - documents A + B			8604

...SPECIFICATION made different in different layers, even by employing a  
same inserting method.

For example, the **watermark** inserted in the **image** data of a **high**  
**resolution** level is so formed, in the mutual calculation with the  
**image** data of the object **image**, that the pattern data of the watermark  
information assume relatively small values in order to prevent the  
deterioration of the **image** quality, and the **watermark** inserted in  
the **image** data of a **low** **resolution** level is so formed, in the  
mutual calculation with the **image** data of the object **image**, that the  
pattern data of the watermark information assume relatively large values  
in order to prevent the deterioration of the **watermark** information.

Such **watermark** inserting method, selected according to the  
hierarchic level of the **image** data, allows to insert the intensity  
matching the resolution level of the **image** data.

(Variation 2)

Also the watermark inserting method may be switched according to the  
resolution...



13/3,K/2 (Item 2 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
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00747628

Method and apparatus for reducing quantization artifacts in a hierarchical image storage and retrieval system

Verfahren und Vorrichtung zur Verminderung von Quartisierungsstörungen in einem hierarchischen Bildspeicher- und Wiederauffindungssystem

Procede et dispositif pour reduire les artefacts de quartification dans un systeme hierarchique d'archivage et de recouvrement d'images

PATENT ASSIGNEE:

EASTMAN KODAK COMPANY, (201214), 343 State Street, Rochester, New York  
14650-2201, (US), (Proprietor designated states: all)

INVENTOR:

Rabbani, Majid, c/o Eastman Kodak Company, Patent Legal Staff, 343 State  
Street, Rochester, New York 14650-2201, (US)

LEGAL REPRESENTATIVE:

Buff, Michel et al (14411), KODAK INDUSTRIE Departement Brevets - CRT  
Zone Industrielle - B.P. 21, 71102 Chalon sur Saone Cedex, (FR)

PATENT (CC, No, Kind, Date): EP 705025 A2 960403 (Basic)

EP 705025 A3 961204

EP 705025 B1 000329

APPLICATION (CC, No, Date): EP 95420266 950925;

PRIORITY (CC, No, Date): US 315781 940930

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: H04N-001/60; H04N-001/41; H04N-007/26

ABSTRACT WORD COUNT: 124

NOTE:

Figure number on first page: 12

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200013	709
CLAIMS B	(German)	200013	614
CLAIMS B	(French)	200013	786
SPEC B	(English)	200013	5550
Total word count - document A			0
Total word count - document B			7659
Total word count - documents A + B			7659

...SPECIFICATION critical.

It is another object of the present invention to improve the quality of a **high - resolution image** component by modifying a **lower - resolution image** component whose **image** quality is less critical when a **watermark** is **inserted** and removed.

Yet another object of the present invention is the reduction of quantization artifacts...

...block diagram form, a PRIOR ART hierarchical image decomposition scheme combined with a scheme for **inserting** a digital **watermark** in a **low - resolution image** component and placing a watermark removal component in a **high - resolution** residual.

Figure 2 illustrates, in block diagram form, a PRIOR ART hierarchical image reconstruction scheme...quality of the high resolution image reconstructed from this residual.

Another example is when a **watermark** is **inserted** into the **low resolution image**. In this case, the pixel values in that region of the

**low - resolution image** affected by the watermark can become completely different from the pixel values in the **high - resolution image** corresponding to the same region, thus resulting in large residual values. The error resulting from...

...such large residual values often appears as a visual trace of the watermark in the **high - resolution image**.

A PRIOR ART watermark system arrangement is illustrated in Figure 1. This arrangement is the...

?

18/3,K/1 (Item 1 from file: 349)  
DIALOG(R) File 349:PCT FULLTEXT  
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00537765 \*\*Image available\*\*

**CAMERA NETWORK COMMUNICATION DEVICE**  
**DISPOSITIF DE COMMUNICATION EN RESEAU PAR CAMERA**

Patent Applicant/Assignee:

FOTONATION INC, 199 California Drive, Millbrae, CA 94030, US, US  
(Residence), US (Nationality)

Inventor(s):

STEINBERG Eran, 372 Douglas Street, San Francisco, CA, US,  
PRILUTSKY Yury, 1426 Shoal Drive, San Mateo, CA 94404, US,  
RAFER Scott Neil, 1530 20th Street, San Francisco, CA 94107, US,

Legal Representative:

JAFFER David H (agent), Rosenblum, Paris & Isaacs, 15th floor, 160 West  
Santa Clara Street, San Jose, CA 95113, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200001138 A2-A3 20000106 (WO 0001138)

Application: WO 99US10389 19990511 (PCT/WO US9910389)

Priority Application: US 98105594 19980626

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

JP

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Filing Language: English

Fulltext Word Count: 9862

Fulltext Availability:

Detailed Description

Detailed Description

... of

data to a second destination 208. For example, a journalist may  
want to send **high resolution** data to his private PC at destination  
206 and send **low resolution** data to a potential customer for  
is

SUBSTITUTE SHEET (RULE 26)

-oreview at destination 208 prior to placIng a **purchase** order for  
the **image** .

other applications include " escrow" securitv transmissions  
where images " first data" are sent to a first...

?

23/3,K/1 (Item 1 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00806392

TECHNOLOGY SHARING DURING ASSET MANAGEMENT AND ASSET TRACKING IN A  
NETWORK-BASED SUPPLY CHAIN ENVIRONMENT AND METHOD THEREOF  
PARTAGE TECHNOLOGIQUE LORS DE LA GESTION ET DU SUIVI DU PARC INFORMATIQUE  
DANS UN ENVIRONNEMENT DU TYPE CHAINE D'APPROVISIONNEMENT RESEAUTE, ET  
PROCEDE ASSOCIE

Patent Applicant/Assignee:

ACCENTURE LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US  
(Residence), US (Nationality)

Inventor(s):

MIKURAK Michael G, 108 Englewood Blvd., Hamilton, NJ 08610, US,

Legal Representative:

HICKMAN Paul L (agent), Oppenheimer Wolff & Donnelly, LLP, 38th Floor,  
2029 Century Park East, Los Angeles, CA 90067-3024, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200139086 A2 20010531 (WO 0139086)  
Application: WO 2000US32310 20001122 (PCT/WO US0032310)  
Priority Application: US 99444653 19991122; US 99447623 19991122

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

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MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ  
UA UG UZ VN YU ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 156214

Fulltext Availability:

Detailed Description

Detailed Description

... page from start to finish, and the programmer was

22

one way.

The development of **graphical** user interfaces began to turn this  
procedural programming arrangement inside out. These interfaces allow the  
...literature states that Java is basically, "C++ 1.5 with extensions  
from Objective C for **more** dynamic method **resolution**." Another  
technology that provides similar function to JAVA is provided by  
Microsoft and ActiveX Technologies...

?

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File 144:Pascal 1973-2004/Oct W3  
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File 233:Internet & Personal Comp. Abs. 1981-2003/Sep  
(c) 2003 EBSCO Pub.  
File 239:Mathsci 1940-2004/Dec  
(c) 2004 American Mathematical Society  
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec  
(c) 1998 Inst for Sci Info  
File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13  
(c) 2002 The Gale Group  
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(c)2001 ProQuest Info&Learning  
File 483:Newspaper Abs Daily 1986-2004/Oct 25  
(c) 2004 ProQuest Info&Learning  
File 248:PIRA 1975-2004/Oct W2  
(c) 2004 Pira International

Set	Items	Description
S1	15530	WATERMARK? OR WATER()MARK?
S2	22060	(DIGIT? OR ELECTRONIC?)(3N)(MARKER? OR MARKING? OR SYMBOL? OR STENCIL? OR PATTERN? OR FINGERPRINT? OR IDENTIFIER? OR MAS- K?)
S3	1600	STEGANOGRAPH?
S4	37298	(LOW? OR LESSER)(3N)RESOLUTION?
S5	473451	(HIGH OR MORE)(3N)RESOLUTION?
S6	3662385	IMAGE? OR GRAPHIC? OR PICTURE? OR PHOTO OR PHOTOGRAPH?
S7	10456	(S1 OR S2 OR S3) AND (EMBED? OR MERG? OR JOIN? OR INSERT? - OR ATTACH? OR INTEGRAL? OR INTEGRAT? OR EMBOSS? OR ADHER? OR - ADD OR ADDED OR ADDING)
S8	11737	(DETECT? OR LOCAT? OR DETERMIN? OR SPECIF?) AND (S1 OR S2 - OR S3)
S9	42022	(PURCHAS? OR BUY?) AND S6
S10	930	AU=(TERASAKI, H? OR TERASAKI H?)
S11	6162	S6 AND S7
S12	82	S11 AND S5
S13	21	S12 AND (DISPLAY? OR PRINT?)
S14	7	S13 AND PY=2001:2004
S15	14	S13 NOT S14
S16	12	RD S15 (unique items)
S17	10	S16 NOT (ELECTRON()GUN OR ION)
S18	29	S8 AND S9
S19	0	S18 AND S4 AND S5
S20	0	S18 AND (S4 OR S5)

S21	29	S18 NOT S13
S22	12	S21 AND PY=2001:2004
S23	17	S21 NOT S22
S24	13	RD S23 (unique items)
S25	0	S10 AND S7
S26	0	S10 AND S8
S27	0	S10 AND (S1 OR S2 OR S3)
S28	136	S10 AND S6
S29	12	S28 AND (S4 OR S5)
S30	12	S29 NOT (S18 OR S13)
S31	8	RD S30 (unique items)

17/3,K/1 (Item 1 from file: 2)

DIALOG(R)File 2:INSPEC

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04086787 INSPEC Abstract Number: A9206-9385-012, C9203-7340-048

**Title:** Image **maps:** integrating **remote sensing, GIS and cartography**

Author(s): Mak, K.; Bourns, G.

Author Affiliation: Intergraph Canada Ltd., Calgary, Alta., Canada

Conference Title: Canadian Conference on GIS. Proceedings. National Conference p.811-12

Publisher: Canadian Inst. Surveying and Mapping, Ottawa, Ont., Canada

Publication Date: 1991 Country of Publication: Canada xiii+1078 pp.

ISBN: 0 919088 41 4

Conference Date: 18-21 March 1991 Conference Location: Ottawa, Ont., Canada

Language: English

Subfile: A C

**Title:** Image **maps:** integrating **remote sensing, GIS and cartography**

Abstract: Summary form only given. In recent years, the demand has increased for **integrating image** processing, geographic information and cartographic systems into a single working environment. One such product, developed as a result of this **integrated** system, is the **Image Map**. The paper illustrates how **Image Maps** are created using a single vendor hardware/software (UNIX) system that provides end-to-end automatic processing. Scanned aerial **photography**, airborne or satellite **imagery** (raster) are enhanced using the **image** processing component. Geographic map data (vector), used in combination with the processed **image**, is created or extracted from the GIS component. Further registration and resampling of the scene (raster/vector) are handled by the **image** processing component. The creation of colour, composited separates is performed using the cartographic production component. In this prepress stage, **digital** tint screens, **patterns**, color, annotation, marginalia, symbology and other cartographic enhancements are **added**. The software allows for automatic compositing, registration control and what you see is what you get screen **display** for proofing. Then, the composite film separates are outputted on a **high - resolution** film recorder for the creation of **printing** plates to publish the **Image Map**.

...Descriptors: computerised **picture** processing...

...Identifiers: scanned aerial **photography** ; ...

...airborne **imagery** ; ...

... **image** processing...

... **Image Maps**...

...satellite **imagery** ; ...

...what you see is what you get screen **display** ; ...

... **printing** plates

17/3,K/2 (Item 1 from file: 6)

DIALOG(R)File 6:NTIS

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0940971 NTIS Accession Number: AD-A109 366/5/XAB

**Computer-Assisted Photo Interpretation Research at USAETL**

Lukes, G. E.

Army Engineer Topographic Labs., Fort Belvoir, VA.

Corp. Source Codes: 008093000; 403192

Report No.: ETL-R028

21 Apr 81 14p

Languages: English

Journal Announcement: GRAI8209

Order this product from NTIS by: phone at 1-800-553-NTIS (U.S. customers); (703)605-6000 (other countries); fax at (703)321-8547; and email at orders@ntis.fedworld.gov. NTIS is located at 5285 Port Royal Road, Springfield, VA, 22161, USA.

NTIS Prices: PC A02/MF A01

### **Computer-Assisted Photo Interpretation Research at USAETL**

A program in computer-assisted **photo** interpretation research (CAPIR) has been initiated at the U.S. Army Engineer Topographic Laboratories. In a new laboratory, a **photo** interpreter (PI) analyzing **high - resolution**, aerial **photography** interfaces directly to a digital computer and geographic information system (GIS). A modified analytical plotter...

... to transmit encoded three-dimensional spatial data from the stereomodel to the computer. Computer-generated **graphics** are **displayed** in the stereomodel for direct feedback of digital spatial data to the PI. Initial CAPIR...

... and playback, and elevation data extraction. New capabilities under development include stereographic superposition, a digital **image** workstation, and **integration** of panoramic Optical Bar Camera **photography** as a primary GIS data source. This project has been conceived as an evolutionary approach...

... extraction system, the CAPIR laboratory can serve as a testbed for new concepts emerging from **image** understanding and knowledge-based systems research. (Author)

Descriptors: Mapping; \*Geodesy; \* **Image** processing; Stereomapping; **Pattern** recognition; **High resolution**; **Digital** computers; Three dimensional; Aerial **photographs**; Systems analysis; Information processing; Stereoscopic **display** systems

17/3,K/3 (Item 1 from file: 34)

DIALOG(R)File 34:SciSearch(R) Cited Ref Sci

(c) 2004 Inst for Sci Info. All rts. reserv.

08364130 Genuine Article#: 276LM No. References: 42

**Title: A tool for designing digital test objects for module performance evaluation in medical digital imaging**

Author(s): Kocsis O; Costaridou L; Efstathopoulos EP; Lymberopoulos D; Panayiotakis G (REPRINT)

Corporate Source: UNIV PATRAS,SCH MED, DEPT MED PHYS/PATRAS 26500//GREECE/ (REPRINT); UNIV PATRAS,SCH MED, DEPT MED PHYS/PATRAS 26500//GREECE/; UNIV PATRAS,DEPT ELECT & COMP ENGN, WIRE COMMUN LAB/PATRAS 26500//GREECE/

Journal: MEDICAL INFORMATICS AND THE INTERNET IN MEDICINE, 1999, V24, N4 (OCT-DEC), P291-308

ISSN: 1463-9238 Publication date: 19991000

Publisher: TAYLOR & FRANCIS LTD, ONE GUNPOWDER SQUARE, LONDON EC4A 3DE, ENGLAND

Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

...Abstract: medical digital imaging systems are characterized by the



introduction of additional modules such as digital **display** , **image** compression and **image** processing, as well as film **printing** and digitization. These additional modules require performance evaluation to ensure high **image** quality. A tool for designing computer-generated test objects applicable to performance evaluation of these modules is presented. The test objects can be directly used as digital **images** in the case of film **printing** , **display** , compression and **image** processing, or indirectly as **images** on film in the case of digitization. The performance evaluation approach is quality control protocol...

...of the modules being tested. The available quality control parameters include input/output response curve, **high** contrast **resolution** , low contrast discrimination, noise, geometric distortion and field uniformity. The tool has been designed and...

...as windows, dialog boxes, lists, buttons, etc. The compatibility with DICOM 3.0 part 10 **image** formats specifications allows the **integration** of the tool in the existing software framework for medical digital imaging systems. The capability of the tool is demonstrated by direct use of the test objects in case of **image** processing, and indirect use of the test objects in case of film digitization.

...Identifiers--FILM **DIGITIZERS** ; QUALITY-CONTROL; TEST **PATTERN** ; SYSTEM; TELERADIOLOGY; REQUIREMENTS; RADIOGRAPHY; **DISPLAYS**; **IMAGES**; WORKSTATION

17/3,K/4 (Item 2 from file: 34)  
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci  
(c) 2004 Inst for Sci Info. All rts. reserv.

06692343 Genuine Article#: ZK931 No. References: 20

**Title: Prediction of petrophysical parameters based on digital video core images**

Author(s): Oyno L (REPRINT) ; Tjetland BG; Esbensen KH; Solberg R; Scheie A ; Larsen T

Corporate Source: SAGA PETR AS,/OSLO//NORWAY/ (REPRINT); RESERVOIR LABS AS,DEPT RES & DEV/STAVANGER//NORWAY//; TELEMAR INST TECHNOL,/PORSGRUNN//NORWAY//; NORWEGIAN COMP CTR,/OSLO//NORWAY//; NORSK HYDRO AS,/OSLO//NORWAY/

Journal: SPE RESERVOIR EVALUATION & ENGINEERING, 1998, V1, N1 (FEB), P82-87  
ISSN: 1094-6470 Publication date: 19980200

Publisher: SOC PETROLEUM ENG, 222 PALISADES CREEK DR, RICHARDSON, TX 75080  
Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

**Title: Prediction of petrophysical parameters based on digital video core images**

Abstract: Core-slab **photography** is a common way to document geological information from cores. Past practice has been to **photograph** core slabs with ordinary cameras that produce paper **photographs** . The presented method retrieves petrophysical properties from **high - resolution** digital video core **images** .

The procedures described in this work are based on video **images** (standard RIO/B camera) of cores taken with a digital recording system. The system is able to record in both visible and UV light at different illumination angles, store **images** , compress/decompress **images** , and **display** one or several **images** as a continuous long core. The seamless core **image** is marked with depth Scale and can be scrolled, scaled, and zoomed. Facilities for correlation with other related data, such as wireline logs, discrete core data, and microscopy **images** , are

also included in the system.

We used homogenous dry core plugs from three North Sea oil fields in this work. We recorded **images** of plug surface, together with conventional core-analysis data (i.e., porosity, gas permeability, average grain size, and mineralogy). The new method is based on processed **digital images**: light/shadow **patterns** are obtained by use of asymmetric, low-angle illumination in the green channel. Texture spectra of the rock material are obtained by dedicated **image**-analytical processing of these gray-scale **images** and by detecting textural features by use of a unique set of specially designed texture ...

- ...partial least squares (PLS)-regression]. Multivariate calibration is based on a set of representative training **images**, selected to span representative ranges of the intensive petrophysical parameters being modeled. On the basis of this calibration model, similar gray-level video **images** from new, unknown core sections (with geologically similar facies) are used to estimate properties of...
- ...is capable of predicting a continuous log of these three petrophysical parameters based on core **images** calibrated against a set of routine laboratory core-analysis data taken at discrete intervals for...
- ...and cost-efficient methods for prediction of petrophysical parameters, particularly from slim cores, and improved **integration** of geological records with wireline data. The method is proposed to be included in future...

17/3,K/5 (Item 3 from file: 34)

DIALOG(R) File 34:SciSearch(R) Cited Ref Sci  
(c) 2004 Inst for Sci Info. All rts. reserv.

05378756 Genuine Article#: VU701 No. References: 34

**Title: A LIMITED PACS DEDICATED TO A RESEARCH ENVIRONMENT - 9 YEARS  
EXPERIENCE IN SANTIAGO-DE-COMPOSTELA**

Author(s): SOUTO M; CORREA J; TAHOCES PG; CARRASCAL F; MENDEZ A; LADO MJ;  
CARREIRA JM; VIDAL JJ

Corporate Source: UNIV SANTIAGO COMPOSTELA, DEPT RADIOL, COMPLEJO HOSP UNIV  
SANTIAGO/SANTIAGO COMPOSTE//SPAIN/

Journal: MEDICAL INFORMATICS, 1996, V21, N2 (APR-JUN), P123-132

ISSN: 0307-7640

Language: ENGLISH Document Type: ARTICLE (Abstract Available)

Abstract: A digital **image** network has been installed at the Department of Radiology of the University of Santiago de Compostela, Spain, to create a 'limited' **Picture** Archiving and Communication System (PACS). This experience is being dedicated to address problems associated with...

- ...techniques in a research environment. The backbone of the system is a multiprotocol ethernet network. **Attached** to the network are a number of advanced devices such as DEC VAX and UNIX workstations. Currently, a **high resolution** film digitizer and a laser **printer** are under evaluation for radiologic **image** research. During a period of nine years, 1987 to 1993, experimental and clinical trials have...
- ...Identifiers--COMPUTER-AIDED DIAGNOSIS; **IMAGE** FEATURE ANALYSIS; BREAST PARENCHYMAL **PATTERNS**; **DIGITAL** CHEST **IMAGES**; AUTOMATED DETECTION; PULMONARY NODULES; RADIOGRAPHY; RADIOLOGY; CLASSIFICATION

17/3,K/6 (Item 1 from file: 35)  
DIALOG(R)File 35:Dissertation Abs Online  
(c) 2004 ProQuest Info&Learning. All rts. reserv.

01840625 ORDER NO: AADAA-I3018219

**Color transforms, halftoning, and watermarking**

Author: Kacker, Dhiraj

Degree: Ph.D.

Year: 2000

Corporate Source/Institution: Purdue University (0183)

Source: VOLUME 62/06-B OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 2868. 88 PAGES

ISBN: 0-493-29045-1

**Color transforms, halftoning, and watermarking**

A number of different issues related to desktop **printing** applications were investigated. The research included developing novel approaches to **high resolution printing** using physics based models for the underlying **printing** process; and using classical communications and signal processing techniques to develop a **watermarking** algorithm for hardcopy imaging.

A wavelet decomposition based surface compression technique to represent the forward transformation for a color **printer** was proposed. The results were compared with Sequential Linear Interpolation.

A new method for design...

...lower memory requirements than conventional 128 x 128 screens.

A novel halftoning approach that has **embedded** in it a model for the electrophotographic process was proposed. Models for the laser beam, exposure of the organic **photo**-conductor, and the resulting absorptance on the paper are **embedded** into the DBS halftoning algorithm. The algorithm is applicable to any arbitrary pixel modulation scheme and is also highly portable between different electrophotographic **print** engines.

A spread spectrum halftoning algorithm for hardcopy imaging applications using DBS was proposed. The algorithm is a two step process: in the first step the spread spectrum **watermark** is designed using DBS in a block based **image** adaptive manner. In the second step, DBS is used to design a halftone that **jointly** optimizes a human visual system based error metric and correlation **watermark** detector output.

17/3,K/7 (Item 1 from file: 99)  
DIALOG(R)File 99:Wilson Appl. Sci & Tech Abs  
(c) 2004 The HW Wilson Co. All rts. reserv.

2014582 H.W. WILSON RECORD NUMBER: BAST00005849

**No denying it**

Fox, Barry;

New Scientist v. 164 no2209 (Oct. 23 1999) p. 14

DOCUMENT TYPE: Feature Article ISSN: 0262-4079

ABSTRACT: A new **digital fingerprinting** system is being used by the Wiltshire Constabulary in the U.K. The system incorporates a **high - resolution** camera that takes a 16-million-pixel **picture**, which is saved as a 13 MB file. Software is then used to remove the **printed** pattern of a bank note, for example, leaving behind the fingerprint. The original **images** are authenticated by **embedding** a **watermark** that records the date, time, and place in the **picture** using software developed by Signum

Technologies in Oxfordshire, U.K.

DESCRIPTORS: ...Digital **watermarks** ; ;

17/3,K/8 (Item 1 from file: 144)  
DIALOG(R) File 144:Pascal  
(c) 2004 INIST/CNRS. All rts. reserv.

13268878 PASCAL No.: 97-0542064  
**Prediction of petrophysical parameters based on digital core images**  
**Technology integration for innovative solutions : Milan, 22-24 October**  
**1996**

OYNO L; TJETLAND B G; ASHEN K H; SOLBERG R; SCHEIE A; LARSEN T  
Reservoir Laboratories a.s., Unknown; Telemark Institute of Technology  
(HIT/TF), Unknown; Norwegian Computing Center, Norway; Norsk Hydro a.s,  
Unknown; SAGA Petroleum a.s., Unknown  
Society of Petroleum Engineers, Richardson TX, United States.  
EUROPEC : European petroleum conference (Milan ITA) 1996-10-22  
1996 341-347  
Language: English

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**Prediction of petrophysical parameters based on digital core images**  
**Technology integration for innovative solutions : Milan, 22-24 October**  
**1996**

Core slab **photography** is a common way to document geological information from cores. Past practice has been to **photograph** core slabs using ordinary cameras giving paper **photographs** . The presented method retrieves petrophysical properties from **high resolution** digital core **images** . The procedures described in this work are based on video **images** of cores using a digital recording system. The system is able to record in both white light- and U.V. light at different illumination angles, store **images** , compress/decompress **images** and **display** one or several **images** as a continuous long core. The continuous core **image** is marked with depth scale and can be scrolled, scaled and zoomed. Facilities for correlation with other related data such as wireline logs, discrete core data and microscopy **images** are also included in the system. Homogenous dry core plugs from three North Sea oil fields have been used in this work.

**Images** of the plug surface have been recorded, together with conventional core analysis data, i.e. porosity, gas permeability, average grain size and mineralogy. The results presented are based on processed **digital images** : light/shadow **patterns** are obtained using asymmetric illumination in the green channel. Texture spectra of the rock material are obtained by processing these grey scale **images** detecting textural features and using a unique set of specially designed texture filters. These spectra...

... is capable of predicting a continuous log of these three petrophysical parameters based on core **images** calibrated against a set of routine core analysis data taken at discrete intervals for a...

... and cost-efficient methods for prediction of petrophysical parameters particularly from slim cores and improved **integration** of geological and wireline data The method is proposed to be included in future routine...

English Descriptors: Oil field; Reservoir rock; Petrophysics; Digital **image** ; Porosity; Permeability; PLS regression; Partial least squares; Grain size analysis; Experimental study; Laboratory test; North...

French Descriptors: Champ petrole; Roche magasin; Petrophysique; **Image**

numerique; Porosite; Permeabilite; Regression PLS; Moindre carre partiel;  
Granulometrie; Etude experimentale; Essai laboratoire; Mer du...

Spanish Descriptors: Campo petroleo; Roca reservorio; Petrofisica; **Imagen**  
numerica; Porosidad; Permeabilidad; Regresion PLS; Minimos cuadrados  
parciales; Granulometria; Estudio experimental; Ensayo laboratorio; Mar  
del...

17/3,K/9 (Item 1 from file: 233)

DIALOG(R)File 233:Internet & Personal Comp. Abs.

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00441009 96MUL1-009

**LaserMerge Electronic Paper -- Merge letterhead, bar codes, and  
watermarks into documents**

Harrel, William

MacUser , November 1, 1996 , v12 n11 p73, 1 Page(s)

ISSN: 0884-0997

Company Name: MindGate Technologies

Product Name: LaserMerge Electronic Paper

**LaserMerge Electronic Paper -- Merge letterhead, bar codes, and  
watermarks into documents**

... MindGate Technologies of Flintville, TN (800, 615). Allows users to  
create templates that can be **merged** with documents so that **graphics** are  
only **printed** on appropriate pages. Uses include placing corporate  
letterhead only on the beginning page of a document, **adding watermarks**  
to pages, or **adding** scanned signatures or bar codes to documents. Adds  
that it will work with documents created...

... even allows for control of the density of ink or toner for fine-tuning  
of **printed** materials. Concludes that this utility can be helpful in  
network situations, because users won't...

Descriptors: Word Processing; **High Resolution Graphics** ; Business  
; Desktop Publishing; Laser **Printer** ; Ink Jet **Printer** ; Software  
Review

17/3,K/10 (Item 1 from file: 248)

DIALOG(R)File 248:PIRA

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00139855 Pira Acc. Num.: 6654896 Pira Abstract Numbers: 05-86-00211

**Title: TEGRA: PROVIDING PRINTING SYSTEMS FOR THE ELECTRONIC PUBLISHING  
INDUSTRY**

Authors: Baxter W

Source: Paper presented at 2nd Annual Conference on 'Electronic Printing  
Systems/Directions in Digital Imaging', held 13-17 May 1985, in Miami, USA,  
pp 394-406 [Vista, CA: Dunn Technology Inc., 1985, vol. 1, 420pp (PM  
10952A)]

Publication Year: 1985

Document Type: Pamphlet; Conference Publication

Language: English

**Title: TEGRA: PROVIDING PRINTING SYSTEMS FOR THE ELECTRONIC PUBLISHING  
INDUSTRY**

Abstract: Tegra Inc. offers a family of systems for the **graphic arts**  
industry which **integrate** imaging, **printing** and finishing capabilities  
in one product. They automate typesetting, camera work, screening,

stripping, platemaking and...

... supplies and specialised equipment usage. The foundation of Tegra's family of electronic imaging and **printing** systems is its high-performance imaging architecture which provides real-time **image** generation and text-and- **graphics** imaging capabilities. This includes the ability to **image** text, **electronic graphics**, tints and **patterns**, scanned line art, CAD and halftones. The architecture is device and resolution independent. This allows Tegra to drive any of the new generation of **high - resolution**, **high**-performance raster **printer** devices, whether they output on plain paper, film or colour. Genesis, the first plain-paper typesetter, is also the first in Tegra's family of systems. It provides the **high resolution**, full typesetting capabilities, and extensive typeface library of a phototypesetter, and the ease of use...

...Descriptors: **GRAPHIC** ; ...

... **GRAPHICS** ; ...

... **HIGH - RESOLUTION** ; ...

... **IMAGE** ; ...

... **PRINTER** ; ...

... **PRINTING** ;

?

24/3,K/1 (Item 1 from file: 2)

DIALOG(R)File 2:INSPEC

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6651110 INSPEC Abstract Number: B2000-08-6135C-153, C2000-08-5260B-333

**Title: Simple collusion-secure fingerprinting schemes for images**

Author(s): Domingo-Ferrer, J.; Herrera-Joancomarti, J.

Author Affiliation: Dept. of Comput. Eng. & Math., Univ. Rovira i Virgili, Catalonia, Spain

Conference Title: Proceedings International Conference on Information Technology: Coding and Computing (Cat. No.PR00540) p.128-32

Publisher: IEEE Comput. Soc, Los Alamitos, CA, USA

Publication Date: 2000 Country of Publication: USA xvi+528 pp.

ISBN: 0 7695 0540 6 Material Identity Number: XX-2000-01050

U.S. Copyright Clearance Center Code: 0 7695 0540 6/2000/\$10.00

Conference Title: Proceedings International Conference on Information Technology: Coding and Computing. ITCC 2000

Conference Sponsor: IEEE Comput. Soc

Conference Date: 27-29 March 2000 Conference Location: Las Vegas, NV, USA

Language: English

Subfile: B C

Copyright 2000, IEE

**Title: Simple collusion-secure fingerprinting schemes for images**

Abstract: This paper describes a robust **watermarking** algorithm and a collusion-secure fingerprinting scheme based on it. **Watermarking** robustness is obtained by using the JPEG algorithm to decide mark **location** and magnitude; the proposed algorithm supports multiple marking. The properties of dual binary Hamming codes are exploited to obtain a fingerprinting scheme secure against collusion of two **buyers**. The fingerprinting construction proposed here is simpler than previous collusion-secure proposals.

...Descriptors: **image** coding

...Identifiers: robust **watermarking** algorithm...

...mark **location** ; ...

... **image** coding

24/3,K/2 (Item 2 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

6540483 INSPEC Abstract Number: B2000-05-6135C-008, C2000-05-5260B-026

**Title: Fault resilient and compression tolerant digital signature for image authentication**

Author(s): Der-Chyuan Lou; Jiang-Lung Liu

Author Affiliation: Dept. of Electr. Eng., Chung Cheng Inst. of Technol., Taoyuan, Taiwan

Journal: IEEE Transactions on Consumer Electronics vol.46, no.1 p. 31-9

Publisher: IEEE,

Publication Date: Feb. 2000 Country of Publication: USA

CODEN: ITCEDA ISSN: 0098-3063

SICI: 0098-3063(200002)46:1L;1-FRCT;1-Q

Material Identity Number: I273-2000-001

U.S. Copyright Clearance Center Code: 0098-3063/2000/\$10.00

Language: English

Subfile: B C  
Copyright 2000, IEE

**Title: Fault resilient and compression tolerant digital signature for image authentication**

**Abstract:** Many **watermarking** schemes have been proposed to protect the authority of the **image** producer. These schemes can help the **image** producer to assert the ownership when their **images** are illegal reproduced. A **buyer** may want to make sure that the received commodity is from the legal sender and...

... In this situation, digital signature schemes can meet these requirements. In this sender-receiver protocol, **images** are always compressed before transmission. So compression tolerant **image** -features have to be designed to replace the hash functions in conventional digital signature schemes...

... method can not only verify the authenticity and the integrity of commodities, but also can **locate** the illegal modifications. Furthermore, the proposed method can provide the capability of recovery if **images** are tampered.

... Descriptors: **image** coding...

... **image** recognition

Identifiers: **image** authentication...

... **watermarking** schemes

**24/3,K/3 (Item 3 from file: 2)**

DIALOG(R) File 2:INSPEC

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6504307 INSPEC Abstract Number: B2000-03-2570A-062, C2000-03-7410D-209

**Title: Effective iterative techniques for fingerprinting design IP [VLSI CAD]**

**Author(s):** Caldwell, A.E.; Hyun-Jin Choi; Kahng, A.B.; Mantik, S.; Potkonjak, M.; Gang Qu; Wong, J.L.

**Author Affiliation:** Dept. of Comput. Sci., California Univ., Los Angeles, CA, USA

**Conference Title:** Proceedings 1999 Design Automation Conference (Cat. No. 99CH36361) p.843-8

**Publisher:** IEEE, Piscataway, NJ, USA

**Publication Date:** 1999 **Country of Publication:** USA xxxii+1003 pp.

**ISBN:** 1 58113 092 9 **Material Identity Number:** XX-1999-01527

**U.S. Copyright Clearance Center Code:** 1 58113 092 9/99/0006..\$5.00

**Conference Title:** Proceedings 1999 Design Automation Conference

**Conference Sponsor:** ACM/SIGDA; IEEE Circuits & Syst. Soc.; EDA Consortium

**Conference Date:** 21-25 June 1999 **Conference Location:** New Orleans, LA, USA

**Language:** English

**Subfile:** B C

**Copyright** 2000, IEE

**Abstract:** While previous **watermarking** -based approaches to intellectual property protection (IPP) have asymmetrically emphasized the IP provider's rights...

...of IPP is to ensure the rights of both the IP provider and the IP **buyer**. Symmetric fingerprinting schemes have been widely and effectively used to achieve this goal; however, their application domain has been restricted



only to static artifacts, such as **image** and audio. In this paper, we propose the first generic symmetric fingerprinting technique which can...

...generates a uniquely fingerprinted new solution. We use this approach as the basis for developing **specific** fingerprinting techniques for four important problems in VLSI CAD: partitioning, graph coloring, satisfiability, and standard...

**24/3,K/4 (Item 4 from file: 2)**

DIALOG(R)File 2:INSPEC

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6246806 INSPEC Abstract Number: A1999-12-8170G-005, B1999-06-0590-046

**Title: Recent achievements and perspectives of holographic non-destructive testing**

Author(s): Trolinger, J.D.; Millerd, J.; Weber, D.; Rosenthal, D.

Author Affiliation: MetroLaser, Irvine, CA, USA

Journal: Proceedings of the SPIE - The International Society for Optical Engineering Conference Title: Proc. SPIE - Int. Soc. Opt. Eng. (USA) vol.3486 p.2-18

Publisher: SPIE-Int. Soc. Opt. Eng,

Publication Date: 1998 Country of Publication: USA

CODEN: PSISDG ISSN: 0277-786X

SICI: 0277-786X(1998)3486L:2:RAPH;1-N

Material Identity Number: C574-1998-290

U.S. Copyright Clearance Center Code: 0277-786X/98/\$10.00

Conference Title: International Conference on Optical Holography and its Applications

Conference Sponsor: SPIE: Minstr. Sci. & Technol.; Nat. Acad. Sci

Conference Date: 24-25 June 1997 Conference Location: Kiev, Ukraine

Language: English

Subfile: A B

Copyright 1999, IEE

...Abstract: come largely from the consolidation of advances in recording materials and methods, ruggedizing procedures, and **image** processing. Successful applications to the large scale are many, but they still largely require expertise...

... and require specialists to conduct operations and most of the instruments are relatively expensive to **buy** and operate. The potential is here to remedy this situation with future advances and integration...

...Descriptors: **electronic** speckle **pattern** interferometry

...Identifiers: corrosion **detection**

**24/3,K/5 (Item 5 from file: 2)**

DIALOG(R)File 2:INSPEC

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5727722

**Title: It's in the cards [security card technologies]**

Author(s): Balcomb, C.

Author Affiliation: Databac Group, Kingston upon Thames, UK

Journal: Security Management vol.41, no.10 p.67-71

Publisher: ASIS,

Publication Date: Oct. 1997 Country of Publication: USA

CODEN: SECME6 ISSN: 0145-9406

SICI: 0145-9406(199710)41:10L:67:CSCT;1-4

Material Identity Number: K675-97010

Language: English  
Subfile: D  
Copyright 1997, IEE

...Abstract: that authorized personnel will use for entry. Security managers are discovering that without additional features, **photo** ID cards cannot ensure true access control. Fortunately, manufacturers have attempted to keep pace with...

... and his or her access rights. The technologies incorporated on these cards include magnetic stripe, **watermark**, Wiegand, proximity, and bar code. However, not every card fits every situation. The challenge for security managers is to **determine** which technology or combination of features best suits their particular workplace.

...Descriptors: **buyer** 's guides  
...Identifiers: **watermark** ;

24/3,K/6 (Item 1 from file: 8)

DIALOG(R)File 8: Ei Compendex(R)  
(c) 2004 Elsevier Eng. Info. Inc. All rts. reserv.

05541015 E.I. No: EIP00045146228

Title: **Fault resilient and compression tolerant digital signature for image authentication**

Author: Lou, Der-Chyuan; Liu, Jiang-Lung

Corporate Source: Chung Cheng Inst of Technology, Taoyuan, Taiwan

Source: IEEE Transactions on Consumer Electronics v 46 n 1 Feb 2000. p 31-39

Publication Year: 2000

CODEN: ITCEDA ISSN: 0098-3063

Language: English

Title: **Fault resilient and compression tolerant digital signature for image authentication**

Abstract: Many **watermarking** schemes have been proposed to protect the authority of the **image** producer. These schemes can help the **image** producer to assert the ownership when their **images** are illegal reproduced. A **buyer** may want to make sure that the received commodity is from the legal sender and...

...In this situation, digital signature schemes can meet these requirements. In this sender-receiver protocol, **images** are always compressed before transmission. So compression tolerant **image** -features have to be designed to replace the hash functions in conventional digital signature schemes...

...method can not only verify the authenticity and the integrity of commodities, but also can **locate** the illegal modifications. Furthermore, the proposed method can provide the capability of recovery if **images** are tampered. (Author abstract) 13 Refs.

Descriptors: Electronic document identification systems; Fault tolerant computer systems; **Image** compression; Requirements engineering; Network protocols; Cryptography; **Image** reconstruction

Identifiers: Fault resilient digital signature; Compression tolerant digital signature; **Image** authentication

24/3,K/7 (Item 2 from file: 8)

DIALOG(R)File 8: Ei Compendex(R)

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05306625 E.I. No: EIP99064703698

**Title:** Buyer -seller watermarking protocol based on amplitude modulation and the El Gamal public key crypto system

**Author:** Memon, Nasir; Wong, Ping Wah

**Corporate Source:** Polytechnic Univ, Brooklyn, NY, USA

**Conference Title:** Proceedings of the 1999 Security and Watermarking of Multimedia Contents

**Conference Location:** San Jose, CA, USA **Conference Date:** 19990125-19990127

**E.I. Conference No.:** 55126

**Source:** Proceedings of SPIE - The International Society for Optical Engineering v 3657 Jan 25-27 1999. p 289-294

**Publication Year:** 1999

**CODEN:** PSISDG **ISSN:** 0277-786X

**Language:** English

**Title:** Buyer -seller watermarking protocol based on amplitude modulation and the El Gamal public key crypto system

**Abstract:** Digital **watermarks** have recently been proposed for the purposes of copy protection and copy deterrence for multimedia content. In copy deterrence, a content owner (seller) inserts a unique **watermark** into a copy of the content before it is sold to a **buyer**. If the **buyer** resells unauthorized copies of the **watermarked** content, then these copies can be traced to the unlawful reseller (original **buyer**) using a **watermark detection** algorithm. One problem with such an approach is that the original **buyer** whose **watermark** has been found on unauthorized copies can claim that the unauthorized copy was created or...

...by a security breach) by the original seller. In this paper we propose an interactive **buyer**-seller protocol for invisible **watermarking** in which the seller does not get to know the exact **watermarked** copy that the **buyer** receives. Hence the seller cannot create copies of the original content containing the **buyer**'s **watermark**. In cases where the seller finds an unauthorized copy, the seller can identify the **buyer** from a **watermark** in the unauthorized copy, and furthermore the seller can prove this fact to a third party using a dispute resolution protocol. This prevents the **buyer** from claiming that an unauthorized copy may have originated from the seller. (Author abstract) 10...

**Descriptors:** **Image** coding; Amplitude modulation; Cryptography; Network protocols; Security of data; Multimedia systems; Algorithms; Digital signal processing

**Identifiers:** **Buyer** seller **watermarking** protocol; Digital **watermarking**; El Gamal cryptosystem

24/3,K/8 (Item 1 from file: 34)

DIALOG(R)File 34:SciSearch(R) Cited Ref Sci

(c) 2004 Inst for Sci Info. All rts. reserv.

07038758 Genuine Article#: 117NH No. References: 40

**Title:** Hidden deletable pixel detection using vector analysis in parallel thinning to obtain bias-reduced skeletons

**Author(s):** Chen YS (REPRINT)

**Corporate Source:** YUAN ZE UNIV, DEPT ELECT ENGN, 135 YUAN TUNG RD/CHUNGLI 320//TAIWAN/ (REPRINT)

**Journal:** COMPUTER VISION AND IMAGE UNDERSTANDING, 1998, V71, N3 (SEP), P 294-311

**ISSN:** 1077-3142 **Publication date:** 19980900

Publisher: ACADEMIC PRESS INC JNL-COMP SUBSCRIPTIONS, 525 B ST, STE 1900,  
SAN DIEGO, CA 92101-4495  
Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

**Title: Hidden deletable pixel detection using vector analysis in parallel thinning to obtain bias-reduced skeletons**

...Abstract: intermediate vector analysis about the deleted pixels in each thinning iteration is developed for HDP **detection** to obtain bias-reduced skeletons, which can be **purchased** by a reasonable computation cost. HDP restoration and parallel implementation are further considered to formulate...

...guaranteed by the use of CH's operators and HDP restoration. A set of synthetic **images** are used to quantify the skeleton from the geometry viewpoint and investigate the skeleton variations...

...of AFP3. As a result, the better bias-reduced skeletons produced by CYS may be **purchased** by a reasonable computation cost. (C) 1998 Academic Press.

...Identifiers-- **DIGITAL PATTERNS ; CHARACTER-RECOGNITION; DESIGNING 2-SUBCYCLE; SYSTEMATIC-APPROACH; ALGORITHM; IMPLEMENTATION; LINE**

24/3,K/9 (Item 1 from file: 233)

DIALOG(R) File 233:Internet & Personal Comp. Abs.

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00409354 96IA01-001

**Imaging and e-mail--courting the mainstream -- Want to image -enable your e-mail? There are a ton of products that do it. But three offerings will create the mass audience needed**

Kirkley, John

Imaging Magazine , January 1, 1996 , v5 n1 p10-15, 4 Page(s)

ISSN: 1063-4320

Company Name: Lotus Development; **Watermark** Software; **ImageView** ; Wang Laboratories; Diamond Head Software

Product Name: Lotus Notes: Document Imaging; Enterprise

**Imaging and e-mail--courting the mainstream -- Want to image -enable your e-mail? There are a ton of products that do it. But three...**

Company Name: Lotus Development; **Watermark** Software; **ImageView** ; Wang Laboratories; Diamond Head Software

Presents a **buyers** ' guide to **image** -enabled e-mail products. Features capsule descriptions of five products from five companies. Products described...

...to directly enter paper-based information into Notes-based applications; Enterprise (\$390 per seat) from **Watermark** Software (617), which integrates paper and fax information with standard corporate software; a Notes add-in (\$NA) from **ImageView** (716), which facilitates **locating** , managing, and retrieving compound documents from a Notes desktop; an **image** viewer (\$NA) from Wang (508), which allows creating **images** directly from paper documents; and a custom control (\$NA) from Diamond Head Software (214), which allows **ImageBASIC** applications to embed **image** data into any OLE container application. Includes four screen displays and a drawing. (dpm)

Descriptors: Electronic Mail; Vendor Guide; **Image** Processing; Document Management System; Software Tools; Object Linking and Embedding

Identifiers: Lotus Notes: Document Imaging; Enterprise; Lotus Development; **Watermark** Software; **ImageView** ; Wang Laboratories; Diamond Head Software

24/3,K/10 (Item 2 from file: 233)  
DIALOG(R)File 233:Internet & Personal Comp. Abs.  
(c) 2003 EBSCO Pub. All rts. reserv.

00384154 95BY05-021

**Document image managers -- Although standards are in flux and product categories are blurred, one of these eight packages may be just right for electronically ...**

Seachrist, David

BYTE , May 1, 1995 , v20 n5 p143-152, 6 Page(s)

ISSN: 0360-5280

Company Name: **Watermark** Software; Caere; Westbrook Technologies

Product Name: **Watermark** Professional Edition; PageKeeper; FileMagic Plus Professional

**Document image managers -- Although standards are in flux and product categories are blurred, one of these eight...**

Company Name: **Watermark** Software; Caere; Westbrook Technologies

Product Name: **Watermark** Professional Edition; PageKeeper; FileMagic Plus Professional

Presents a **buyer** 's guide to document **image** management (DIM) programs for IBM PC compatibles with Windows. Examines eight DIM packages from eight ...

... and price; also summarizes the strengths and limitations of each. Features a table comparing 31 **specifications** of these programs in the categories of scanning, OCR, document indexing, document **image** editing, retrieval, and work flow. Discusses these packages in terms of usability, ease of use, scanning capabilities, OCR, indexing, search and retrieve, **image** manipulation, document distribution, and ability to link to other applications. Says that **Watermark** Professional Edition 1.0 (\$295) from **Watermark** Software (617) is a good introduction to DIM; and PageKeeper 1.1 (\$595) from Caere...

Descriptors: Document Management System; **Image** Management; Vendor Guide; Optical Character Recognition; Indexing; Window Software; **Image** Processing

Identifiers: **Watermark** Professional Edition; PageKeeper; FileMagic Plus Professional; **Watermark** Software; Caere; Westbrook Technologies

24/3,K/11 (Item 1 from file: 248)  
DIALOG(R)File 248:PIRA  
(c) 2004 Pira International. All rts. reserv.

00569462 Pira Acc. Num.: 20169436

**Title: Following Fido: watermarking your images and photos can help deter copyright infringement**

Authors: Martin G

Source: Digital Imaging May 2000, pp 34-35

ISSN: 1084-5119

Publication Year: 2000

Document Type: Journal Article

Language: English

**Title: Following Fido: watermarking your images and photos can help deter copyright infringement**

**Abstract: Watermarking** digital **photography** and other work can help communicate and support legal rights. The basic idea is to embed

information in the digital **image** that identifies the creator of the work. When that **image** is opened in any Digimarc-enabled program, the Digimarc Read **Watermark** filter using the embedded code finds the name and contact information through the Web or by contacting Digimarc. A client wanting to lease or **purchase** the work could **locate** the creator through Digimarc's database for a clean copy of the **image** and the associated agreement. Digimarc **watermarking** is available with various **image** -processing applications or with the use of Digimarc's Software Development Kit.

...Descriptors: DIGITAL **PHOTOGRAPHY** ; ...

... **WATERMARK**

Section Headings: Legislation (8030); **Photography** (8220)

24/3,K/12 (Item 2 from file: 248)

DIALOG(R)File 248:PIRA

(c) 2004 Pira International. All rts. reserv.

00513007 Pira Acc. Num.: 20113925

**Title:** Live Picture buys into Digimarc's on-the-fly watermarking

**Authors:** Anon

**Source:** Seybold Rep. Internet Publ. vol. 2, no. 10, June 1998, p. 29

**Publication Year:** 1998

**Document Type:** Journal Article

**Language:** English

**Title:** Live Picture buys into Digimarc's on-the-fly watermarking

**Abstract:** A brief description is given of an announcement by Digimarc and Live **Picture** that they will work together to produce a system for digitally **watermarking** digital **images** on the fly. Digimarc's patented **watermarking** technology will be used with Live **Picture** 's FlashPix **image** servers to create a server side system that can be used to identify, track and manage **images**. The **images** will have transaction **specific** **watermarks** and the new service is aimed at online publishers, World Wide Web based **image** vendors and Internet storefronts. Three methods of digital **watermarking** will be supported: dynamic **watermarking** ; batch **watermarking** ; and dynamic, visible, resolution **specific** **watermarking** . Details of the three **watermarking** methods are given and the features that can be incorporated in a digital **watermark** are described. (Short article)

...Company Names: Live **Picture**

Descriptors: DIGITAL **IMAGE** ; ...

...DIGITAL **WATERMARK** ; ...

... **IMAGE** MANAGEMENT...

... **WATERMARK** ;

24/3,K/13 (Item 3 from file: 248)

DIALOG(R)File 248:PIRA

(c) 2004 Pira International. All rts. reserv.

00429658 Pira Acc. Num.: 20042548

**Title:** A SPECIFIER 'S GUIDE TO DESIGNER PAPERS

**Authors:** Anon

**Source:** Pap. Eur. vol. 7, no. 8, Nov. 1995, 28pp (K, P, S)

**ISSN:** 0955-7806

**Publication Year:** 1995

Document Type: Journal Article  
Language: English

**Title: A SPECIFIER 'S GUIDE TO DESIGNER PAPERS**

Abstract: The guide is presented in 4 sections, the first of which covers letterhead and **watermarked** papers. The second covers textured, embossed and coloured papers and boards, whilst the third looks...

...Descriptors: **BUYERS GUIDE...**

... **GRAPHIC PAPER...**

... **WATERMARK**

?

31/3,K/1 (Item 1 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

4831334 INSPEC Abstract Number: B9501-6430H-003, C9501-5320K-002

**Title: Quadruple density optical disc technology**

Author(s): Tsuchiya, Y.; Terasaki, H. ; Ichiura, S.; Shono, M.; Honda, S.

Journal: Sanyo Technical Review vol.26, no.2 p.71-81

Publication Date: 1994 Country of Publication: Japan

CODEN: STRVD8 ISSN: 0285-516X

Language: Japanese

Subfile: B C

Author(s): Tsuchiya, Y.; Terasaki, H. ; Ichiura, S.; Shono, M.; Honda, S.

Abstract: Progress in **image** data compression technology has made it possible to record motion **pictures** onto a CD-ROM. However, to obtain higher **image** quality, a longer playback time and a smaller disc size, the recording density of the...

... CD-ROM by developing a visible laser diode whose wavelength is 635 nm, and a **high resolution** pick-up which utilizes the laser diode. We have also developed a disc cutting machine...

...Identifiers: **image** data compression...

...motion **pictures** recording...

... **image** quality...

... **high resolution** pick-up

31/3,K/2 (Item 2 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

4786972 INSPEC Abstract Number: B9411-6430H-023, C9411-5320K-016

**Title: High density digital videodisc using 635 nm laser diode**

Author(s): Tsuchiya, Y.; Tada, K.; Terasaki, H. ; Ichiura, S.; Ota, O.

Author Affiliation: Hypermedia Res. Center, Sanyo Electr. Co. Ltd., Gifu, Japan

Journal: IEEE Transactions on Consumer Electronics vol.40, no.3 p. 686-91

Publication Date: Aug. 1994 Country of Publication: USA

CODEN: ITCEDA ISSN: 0098-3063

U.S. Copyright Clearance Center Code: 0098-3063/94/\$04.00

Conference Title: 1994 International Conference on Consumer Electronics

Conference Date: 21-23 June 1994 Conference Location: Rosemont, IL, USA

Language: English

Subfile: B C

Author(s): Tsuchiya, Y.; Tada, K.; Terasaki, H. ; Ichiura, S.; Ota, O.

Abstract: By developing a **high resolution** pick-up using a red laser diode with a wavelength of 635 nm and by...

... disc parameters, a storage capacity of 2.2 GB was obtained. We recorded digital motion **pictures** with a data transfer rate of 4 Mbps onto the disc and succeeded in the...



...Identifiers: **high resolution** pick-up...

...digital motion **pictures** recording

**31/3,K/3 (Item 1 from file: 94)**

DIALOG(R)File 94:JICST-EPlus

(c)2004 Japan Science and Tech Corp(JST). All rts. reserv.

05838364 JICST ACCESSION NUMBER: 04A0508915 FILE SEGMENT: JICST-E

**Respiratory Symptoms in Rheumatoid Arthritis: Relation between High Resolution CT Findings and Functional Impairment**

**TERASAKI H** (1); **FUJIMOTO K** (1); **HAYABUCHI N** (1); **OGOH Y** (2); **FUKUDA T** (2); **MUELLER N L** (3)

(1) Kurume Univ. School Of Medicine; (2) Kurume Univ. Medical Center; (3) Univ. British Columbia

Radiat Med, 2004, VOL.22,NO.3, PAGE.179-185, FIG.4, TBL.3, REF.27

JOURNAL NUMBER: L3853AAS ISSN NO: 0288-2043 CODEN: RAMEE

UNIVERSAL DECIMAL CLASSIFICATION: 616.2-07 616-021+616-056.4 616.7

LANGUAGE: English COUNTRY OF PUBLICATION: Japan

DOCUMENT TYPE: Journal

ARTICLE TYPE: Original paper

MEDIA TYPE: Printed Publication

**Respiratory Symptoms in Rheumatoid Arthritis: Relation between High Resolution CT Findings and Functional Impairment**

**TERASAKI H** (1); **FUJIMOTO K** (1); **HAYABUCHI N** (1)

...DESCRIPTORS: **high - resolution** ;

...BROADER DESCRIPTORS: **image** technology

**31/3,K/4 (Item 2 from file: 94)**

DIALOG(R)File 94:JICST-EPlus

(c)2004 Japan Science and Tech Corp(JST). All rts. reserv.

05278406 JICST ACCESSION NUMBER: 02A0831824 FILE SEGMENT: JICST-E

**A Multi-functioned Mobile Phone with VGA Virtual Display.**

**TERASAKI HAJIME** (1); **KATO MASAMI** (1); **HATAYAMA YOSHINORI** (1); **TOMIDA YOSHIKAZU** (1); **SPITZER M B** (2)

(1) San'yodenki Gijutsukaihatsuhombu; (2) Microoptical Corp., Ma, Usa  
Nippon Bacharu Riariti Gakkai Taikai Ronbunshu(Proceedings of the Virtual Reality Society of Japan Annual Conference), 2002, VOL.7th, PAGE.327-328, FIG.5, REF.2

JOURNAL NUMBER: L3000AAU ISSN NO: 1342-4564

UNIVERSAL DECIMAL CLASSIFICATION: 621.396.73 621.385:621.397

LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan

DOCUMENT TYPE: Conference Proceeding

ARTICLE TYPE: Short Communication

MEDIA TYPE: Printed Publication

**TERASAKI HAJIME** (1); **KATO MASAMI** (1); **HATAYAMA YOSHINORI** (1); **TOMIDA YOSHIKAZU** (1)

...DESCRIPTORS: **high - resolution** ;

...BROADER DESCRIPTORS: **picture** communication

**31/3,K/5 (Item 3 from file: 94)**

DIALOG(R)File 94:JICST-EPlus

(c)2004 Japan Science and Tech Corp(JST). All rts. reserv.

04421617 JICST ACCESSION NUMBER: 00A0188134 FILE SEGMENT: PreJICST-E

**In situ viscosity measurement of albite melt under high pressures.**

FUNAKOSHI KEN'ICHI (1); SUZUKI AKIO (2); KANZAKI MASAMI (3); **TERASAKI HIDENORI** (4)

(1) Japan Synchrotron Radiation Res. Inst.; (2) Tohoku Univ., Fac. of Sci.; (3) Okayama Univ. Inst for Study of the Earth's Interior.; (4) Univ. of Tsukuba, Inst. of Geosci.

Koatsu Toronkai Koen Yoshishu (Program and Abstracts of Papers. High Pressure Conference of Japan), 1999, VOL.40th, PAGE.210

JOURNAL NUMBER: L1222AAE ISSN NO: 0917-6373

LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan

DOCUMENT TYPE: Conference Proceeding

MEDIA TYPE: Printed Publication

; **TERASAKI HIDENORI** (4)

...ABSTRACT: of 2.6 - 5.3 GPa, 1600.DEG.C., and 1700.DEG.C.. Real-time **images** of a sinking sphere in the melt were captured with a **high** -speed and **high - resolution** CCD camera, and the viscosity value was calculated from their terminal velocities obtained by the **image** analysis. The viscosity of the albite melt decreased with increasing pressure and temperature. This trend...

31/3,K/6 (Item 4 from file: 94)

DIALOG(R)File 94:JICST-EPlus

(c)2004 Japan Science and Tech Corp(JST). All rts. reserv.

02099098 JICST ACCESSION NUMBER: 94A0781412 FILE SEGMENT: JICST-E

**Special Issue on Multimedia. Quadruple Density Optical Disc Technology.**

TSUCHIYA YOICHI (1); **TERASAKI HITOSHI** (1); ICHIURA SHUICHI (1); SHONO MASAYUKI (1); HONDA SHOJI (2)

(1) SANYO Electr. Co., Ltd.; (2) Tottori Sanyo Electr. Co., Ltd.

Sanyo Tech Rev, 1994, VOL.26,NO.2, PAGE.71-81, FIG.16, TBL.3, REF.7

JOURNAL NUMBER: F0222AAV ISSN NO: 0285-516X CODEN: STRVD

UNIVERSAL DECIMAL CLASSIFICATION: 621.3:681.327.1

LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan

DOCUMENT TYPE: Journal

ARTICLE TYPE: Commentary

MEDIA TYPE: Printed Publication

TSUCHIYA YOICHI (1); **TERASAKI HITOSHI** (1); ICHIURA SHUICHI (1); SHONO MASAYUKI (1)

ABSTRACT: Progress in **image** data compression technology has made it possible to record motion **pictures** onto a CD-ROM. However, to obtain higher **image** quality, a longer playback time and a smaller disc size, the recording density of the...

...density CD-ROM by developing a visible laser diode whose wavelength is 635nm, and a **high resolution** pick-up which utilizes the laser diode. We have also developed a disc cutting machine...

...DESCRIPTORS: **high - resolution** ;

31/3,K/7 (Item 5 from file: 94)

DIALOG(R)File 94:JICST-EPlus

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01170483 JICST ACCESSION NUMBER: 91A0116225 FILE SEGMENT: JICST-E

**Optical MUSE disc with playback time of 60 minutes per side.**

TSUCHIYA YOICHI (1); **TERASAKI HITOSHI** (1); OTA OSAMU (1)

(1) San'yodenki Johotsushinshisutemuken  
Terebijon Gakkai Gijutsu Hokoku, 1990, VOL.14, NO.65 (VIR90 66-68), PAGE.7-12  
, FIG.10, TBL.6, REF.6  
JOURNAL NUMBER: S0209AAF ISSN NO: 0386-4227  
UNIVERSAL DECIMAL CLASSIFICATION: 621.397.61  
LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan  
DOCUMENT TYPE: Journal  
ARTICLE TYPE: Original paper  
MEDIA TYPE: Printed Publication

TSUCHIYA YOICHI (1); TERASAKI HITOSHI (1); OTA OSAMU (1)  
...DESCRIPTORS: **high - resolution** ; ...

... **image** memory

31/3,K/8 (Item 1 from file: 144)  
DIALOG(R)File 144:Pascal  
(c) 2004 INIST/CNRS. All rts. reserv.

16707633 PASCAL No.: 04-0360573  
**Pneumoconiosis in rush mat workers exposed to clay dye "sendo" dust:  
Clinical, radiologic, and histopathologic features in seven patients**  
FUJIMOTO Kiminori; MUELLER Nestor L; KATO Seiya; TERASAKI Hiroshi ;  
SADOHARA Junko; RIKIMARU Toru; HAYABUCHI Naofumi  
Department of Radiology, Kurume University School of Medicine, Kurume,  
Japan; Department of Radiology, Vancouver General Hospital and the  
University of British Columbia, Vancouver, BC, Canada; Department of  
Pathology, Kurume University School of Medicine, Kurume, Japan; First  
Internal Medicine, Kurume University School of Medicine, Kurume, Japan  
Journal: Chest, 2004, 125 (2) 737-743  
Language: English

Copyright (c) 2004 INIST-CNRS. All rights reserved.

FUJIMOTO Kiminori; MUELLER Nestor L; KATO Seiya; TERASAKI Hiroshi ;  
SADOHARA Junko; RIKIMARU Toru; HAYABUCHI Naofumi  
Study objectives: The purpose of this study was to describe the clinical,  
chest radiographic, **high - resolution** CT, and histopathologic features of  
clay dye "sendo" dust pneumoconiosis in seven rush mat ("tatami...  
... International Labor Office profusion score ranged from 0/1 to 1/1  
(median, 1/0). **High - resolution** CT demonstrated small nodular opacities  
(types p and q) in all seven patients. In four patients, **high - resolution**  
CT demonstrated branching centrilobular structures, airway ectasia, airway  
wall thickening, and emphysematous changes. None of...

...mat workers' sendo dust pneumoconiosis is caused by dust containing free  
silica. The radiographic and **high - resolution** CT findings consist of  
small nodular opacities < 3 mm in diameter and bronchial and bronchiolar...  
Broad Descriptors: Lung disease; Respiratory disease; Medical **imagery** ;  
Radiodiagnosis; Exploration; Poumon pathologie; Appareil respiratoire  
pathologie; **Imagerie** medicale; Radiodiagnostic; Exploration; Pulmon  
patologia; Aparato respiratorio patologia; Imageria medica;  
Radiodiagnostico; Exploracion

?

Set	Items	Description
S1	107	WATERMARK? OR WATER()MARK?
S2	61	(DIGIT? OR ELECTRONIC?) (3N) (MARKER? OR MARKING? OR SYMBOL? OR STENCIL? OR PATTERN? OR FINGERPRINT? OR IDENTIFIER? OR MAS- K?)
S3	6	STEGANOGRAPH?
S4	72	(LOW? OR LESSER) (3N) RESOLUTION?
S5	322	(HIGH OR MORE) (3N) RESOLUTION?
S6	11551	IMAGE? OR GRAPHIC? OR PICTURE? OR PHOTO OR PHOTOGRAPH?
S7	87	(S1 OR S2 OR S3) AND (EMBED? OR MERG? OR JOIN? OR INSERT? - OR ATTACH? OR INTEGRAL? OR INTEGRAT? OR EMBOSS? OR ADHER? OR - ADD OR ADDED OR ADDING)
S8	35	(DETECT? OR LOCAT? OR DETERMIN? OR SPECIF?) AND (S1 OR S2 - OR S3)
S9	679	(PURCHAS? OR BUY?) AND S6
S10	0	AU=(TERASAKI, H? OR TERASAKI H?)
S11	0	S7 AND S5
S12	0	S7 AND S4
S13	0	(S4 OR S5) AND S8
S14	42	S7 AND S6
S15	5	S14 AND (PURCHAS? OR BUY?)
S16	5	S15 AND PY=2001:2004
S17	19	S4 AND S5 AND S6
S18	0	S17 AND (S1 OR S2 OR S3)
S19	5	S17 AND PY=2001:2004
S20	14	S17 NOT S19
S21	14	S20 NOT S16

16/3,K/1

DIALOG(R)File 256:TecInfoSource  
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00147211 DOCUMENT TYPE: Review

**PRODUCT NAMES: Digital Rights Management (845205)**

**TITLE: Digital Rights Management**

**AUTHOR: Kay, Russell**

**SOURCE: Computerworld, v37 n25 p33(1) Jun 23, 2003**

**ISSN: 0010-4841**

**HOME PAGE: <http://www.computerworld.com>**

**RECORD TYPE: Review**

**REVIEW TYPE: Product Analysis**

**GRADE: Product Analysis, No Rating**

**REVISION DATE: 20031030**

...DRM) is defined as control and protection of digital intellectual property, which can include documents, **images**, video, and audio. DRM restricts what the user can do with the content, even when...

...led to the creation of rights that did not apply to analog products, including the **purchase** of a digital satellite **photo**. Policies that are much stricter can now be enforced, and several publishers offer commercial online...

...cannot be heard. Microsoft includes DRM technology in Windows Server 2003, Office 2003, and an **add-on** for Internet Explorer (IE). DRM technologies described include digital **watermarking**, physical copy protection, certificate-based encryption, and product activation.

**2003**

16/3,K/2

DIALOG(R)File 256:TecInfoSource  
(c)2004 Info.Sources Inc. All rts. reserv.

00144313 DOCUMENT TYPE: Review

**PRODUCT NAMES: DVD X Copy (151858)**

**TITLE: Tool Copies DVD Movies: 321 Studios challenges Hollywood, DMCA...**

**AUTHOR: Spring, Tom**

**SOURCE: PC World, v21 p30(1) Feb 2003**

**ISSN: 0737-8939**

**HOME PAGE: <http://www.pcworld.com>**

**RECORD TYPE: Review**

**REVIEW TYPE: Product Analysis**

**GRADE: Product Analysis, No Rating**

**REVISION DATE: 20030430**

...DVDs. It worked well during testing. Fighting the availability of such devices is the Motion **Picture** Association of America, which contends that such products butt up against the 1998 Digital Millennium...

...rights on their side that allows them to make personal backup copies of their own **purchased** DVDs. To reduce the tension with Hollywood, 321 Studios has programmed its own copy protection...

...its software. Electronic controls to the DVD copies prevent use from being duplicated further by **embedding** a digital **watermark** that can trace a movie file sent over the Internet back to the software's...

2003

16/3,K/3

DIALOG(R)File 256:TecInfoSource  
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00141865 DOCUMENT TYPE: Review

PRODUCT NAMES: **LiquiFire** (132411)

TITLE: **Are Your Images Fluid? A new product called LiquiFire enables...**

AUTHOR: Yencharis, Len

SOURCE: Advanced Imaging, v17 n9 p24(4) Sep 2002

ISSN: 1042-0711

HOME PAGE: <http://www.advancedimagingmag.com>

RECORD TYPE: Review

REVIEW TYPE: Review

GRADE: A

REVISION DATE: 20021230

TITLE: **Are Your Images Fluid? A new product called LiquiFire enables...**  
...

LiquidPixels' LiquiFire, a product that allows **graphics** and **images** to be output or manipulated on the fly, gets excellent marks overall. It can eliminate the usually static, linear, and very expensive **image** production process. LiquiFire is used on 35 premium brand Web sites, including one that sells logo'ed items. The site provides multiple products onto which **graphical** logos or text can be placed, including coffee mugs. Before **integration** of LiquiFire, customers had to preview customization choices. Mugs can also be ordered with any...

...for each style. LiquiFire then renders clip art or the customer's logo onto a **photo** of the blank mug. This use saved substantial time and cost, providing return on investment (ROI) in under four months, which is useful when new mug styles are **added** to inventory and older ones are eliminated. **Buyer** -to-shopper ratio has increased considerably, because customers can visualize the product with their own...

...are three critical facets of imaging that relate to creation, updating, and interactivity of an **image** : Creation, Freshness, and Interactivity Dynamics. LiquiFire removes three steps from the traditional **image** workflow, requiring only a **photograph** , **image** cleanup, a single file posted to LiquiFire, and dynamic sizing, cropping, **watermarking** of **images** live.

DESCRIPTORS: **Graphics** Tools; **Image** Processing; Web Site Design  
2002

16/3,K/4

DIALOG(R) File 256:TecInfoSource  
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00130258 DOCUMENT TYPE: Review

PRODUCT NAMES: Digimarc ImageBridge (020893); SureSign (049069);  
SysCoP (049077); Batch It! (049085)

TITLE: Digital Copyright Control: Digital watermarks and Web spiders...  
AUTHOR: Binder, Kate  
SOURCE: Photo>Electronic Imaging, v44 n5 p24(3) May 2001  
ISSN: 0146-0153  
HOMEPAGE: <http://www.peimag.com>

RECORD TYPE: Review  
REVIEW TYPE: Product Analysis  
GRADE: Product Analysis, No Rating

REVISION DATE: 20010730

PRODUCT NAMES: Digimarc ImageBridge (

TITLE: Digital Copyright Control: Digital watermarks and Web spiders...  
...

BlueSpike's Giovanni, Digimarc's Digimarc **ImageBridge**, Alphatec's EIKONAmark, Signum Technologies' SureSign, MediaSec Technologies' SysCoP, and RedSoft's Batch It! are digital **watermarking** and World Wide Web spider products that can protect online **images** from unauthorized use. Digital **watermarks** **embed** **images** with marks that cannot be seen by the human eye. The marks are only visible with special viewing components, but some can be found by Web-searching software. **ImageBridge** automatically routes viewers and possible copyright infringers directly to the **image** owner's Web site, where the **pictures** can be **purchased** legally. EIKONAmark has some of the same types of features, including the AlphaCrawler Web search utility. EIKONAmark can also scan and detect alterations made to **image** and highlights changed areas in red. BlueSpike makes Giovanni software, which it now markets to the record industry (in which it wants to be the dominant **watermarking** -standard provider). However, Giovanni **watermarks** can also be **embedded** in **image** files with marks as tiny as 100/100 pixels. Giovanni is not fazed by JPEG compression or hackers attempting to erase or destroy a **watermark**. SureSign is a plug-in for Photoshop that **embeds** a **watermark**, and SysCoP is a Web spider. Shareware programs available are Fluid Vision Systems' Tranz **Image Watermarking** System for JPEG **images** and BatchIt! for JPEG, BMP, PCX, PNG, GIF, and TIFF formats.

2001

16/3,K/5

DIALOG(R) File 256:TecInfoSource  
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00128984 DOCUMENT TYPE: Review

PRODUCT NAMES: E-Commerce (836109); Network Management (830216)

**TITLE:** E-comm needs real-time management  
**AUTHOR:** Lanum, Asa  
**SOURCE:** Network World, v18 n6 p41(1) Feb 5, 2001  
**ISSN:** 0887-7661  
**HOME PAGE:** <http://www.nwfusion.com>

**RECORD TYPE:** Review  
**REVIEW TYPE:** Product Analysis  
**GRADE:** Product Analysis, No Rating

**REVISION DATE:** 20010430

**ImageID** 's **Smart Picture** for Events allows event organizers for trade shows, conventions, corporate meetings, and other important meetings to have guests **photographed** and to more easily distribute the photos over the Internet. With **Smart Picture** for Events, users can provide attendees with commemorative photos. People attending such events enjoy receiving **photographs** of memorable events, especially when they can be **photographed** with celebrities, sports stars, people in costume, or politicians. **Smart Picture** for Events merges digital photography, pattern recognition, and **electronic** imaging features targeted toward the event market. Each guest wears a sticker called a 'vividot...

...name tag or lapel, and each vividot has a color pinwheel and access code. **Smart Picture** locates vividots, reads the color combinations, and groups the photos online, either at **ImageID** 's Web site or the Web site of the sponsoring organization. Guests can log in with an access code, look at all the photos in which their **images** appear, and **buy** the ones they like or receive them free from the organizer. According to Yosi Heber, Chief Marketing Officer of **Image ID**, the technology could also replace barcode scanners, including those used for inventory. reveals relationships...

**DESCRIPTORS:** E-Commerce; Electronic Publishing; Internet; Meetings & Conventions; Network Management; Network Software; **Photography**

**2001**

?



21/3,K/1

DIALOG(R)File 256:TecInfoSource  
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02753343            DOCUMENT TYPE:    Company

**MOBOTIX AG (753343)**

Luxemburger Str 6    67657  
Kaiserlautern,    Germany  
TELEPHONE:    631-3033103  
FAX:    ( ) 631-3033190  
HOMEPAGE:    <http://www.mobotix.com>

RECORD TYPE:    Directory

CONTACT:    Sales Department

STATUS:    Active

SALES:    NA

DATE FOUNDED:    1999

PERSONNEL:    Hinkel, Dr Ralf, Chief Executive Officer; Serilli, Apollo, VP  
                 Business Development; Vitoc, Radu, Sales Manager; Kappagantula, Anand,  
                 Sales Manager; Hinkel, Sabine, Marketing Director; Schroeder, Gereon,  
                 Sales Manager; McKee, Peter, Sales Manager

REVISION DATE:    20040512

...and Webcam applications. The firm created the first 1.3-megapixel camera. Its cameras offer **high - resolution images**, **low** network loads, and the ability to operate in extreme weather conditions. MOBOTIX cameras can be...

21/3,K/2

DIALOG(R)File 256:TecInfoSource  
(c)2004 Info.Sources Inc. All rts. reserv.

01753068            DOCUMENT TYPE:    Product

**PRODUCT NAME:    Zondervan Image Archives (753068)**

Zondervan Publishing House (495484)  
5300 Patterson Ave SE  
Grand Rapids, MI    49530    United States  
TELEPHONE:    (616) 698-6900

RECORD TYPE:    Directory

CONTACT:    Sales Department

REVISION DATE:    20020716

**PRODUCT NAME:    Zondervan Image Archives...**

Zondervan **Image** Archives offers a rich collection of Holy Land Zondervan **Image** Archives from Zondervan Publishing House **images** and locations. More than 5,000 color **photographs** cover historical biblical sites in Turkey, Jordan, Egypt, Greece, Israel, Cyprus, Syria, Rhodes, and Italy. **Images** include biblical and historic sites, archeological sites, panoramic

views, and artifacts. Each **photograph** sites, archaeological sites, panoramic views, and **photographs** of is searchable by description, making this a suitable tool for professors, Bible teachers, and others. The **images**, viewable in **low resolution**, are intended for personal or classroom use. Publishers can also obtain a **high - resolution** version. this the ideal tool for professors, Bible teachers, pastors, and students of the Bible. The **images**, viewable in **low resolution**, are intended for personal or classroom use, e.g. PowerPoint presentations. Publishers will want to have this product to gain access to **images** for publication, which are available in **high resolution** formats upon licensing from Zondervan.

DESCRIPTORS: CD-ROMs; Clip Art; Desktop Publishing Utilities; **Graphics** Tools; Presentations; Religious Organizations; Schools

21/3,K/3

DIALOG(R) File 256:TecInfoSource  
(c)2004 Info.Sources Inc. All rts. reserv.

01708577 DOCUMENT TYPE: Product

**PRODUCT NAME: WebNative (708577)**

Xinet Inc (509299)  
2560 9th St #312  
Berkeley, CA 94710 United States  
TELEPHONE: (510) 845-0555

RECORD TYPE: Directory

CONTACT: Sales Department

REVISION DATE: 20021019

...they provide and strengthen relationships with their customers. It gives them the ability to distribute **low - resolution** for-placement-only **images** (FPOs) and **high - resolution** digital art to their clients over the Web via a standard Web browser. In addition...

...their customers. Users can set up a customer volume in minutes by simply scanning or copying **images** into any file structure on the server. The software automatically configures each customer database according...

...include no HTML coding needed; no client software required; built-in security for the customer **images** with assigned passwords for each customer; encodes FPOs and **high - resolution images** automatically and decodes them when downloaded, preserving all **image** features such as custom icons and previews; provides Web-ready **images** for more than 20 file formats including proprietary formats; and automatically scales **images** and converts them to a Web-optimal color space.

DESCRIPTORS: Digital Asset Management; Electronic Publishing; File Transfer; **Graphics** Tools; Intranets; Printing & **Graphic** Arts; Repurposing; Soft Proofing; Web Site Design

21/3,K/4

DIALOG(R) File 256:TecInfoSource  
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01580104

DOCUMENT TYPE: Product

**PRODUCT NAME: Mountain High Maps GlobeShots (580104)**

Digital Wisdom Inc (589403)  
PO Box 2070 300 Jeanette Dr  
Tappahanock, VA 22560-2070 United States  
TELEPHONE: (804) 443-9000

RECORD TYPE: Directory

CONTACT: Sales Department

REVISION DATE: 20030702

Mountain High Maps GlobeShots from Digital Wisdom is a unique collection of high-quality global **images**. This resource of 103 **high - resolution** (300dpi) and 164 **low - resolution** (72dpi) colorized globe views covers the world from a wide variety of viewpoints (equatorial, polar...

DESCRIPTORS: Clip Art; Desktop Publishing Utilities; **Graphics** Tools; Mapping

21/3,K/5

DIALOG(R) File 256:TecInfoSource  
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01561339

DOCUMENT TYPE: Product

**PRODUCT NAME: CorelDRAW GRAPHICS SUITE 12 (561339)**

Corel Corp (421723)  
1600 Carling Ave  
Ottawa, ON K1Z 8R7 Canada  
TELEPHONE: (613) 728-3733

RECORD TYPE: Directory

CONTACT: Sales Department

REVISION DATE: 20040421

**PRODUCT NAME: CorelDRAW GRAPHICS SUITE 12...**

CorelDRAW (R) **GRAPHICS** SUITE 12 from Corel is a professional illustration and **image** editor that includes two primary applications: CorelDRAW! and Corel **PHOTO** -PAINT (R). A vector illustration and page layout program, CorelDRAW! has output abilities that integrate...

...workflows. A full complement of design tools and productivity features makes CorelDRAW! highly flexible. Corel **PHOTO** -PAINT effectively combines **image** composition, masking, and **image** enhancement features with creative media brush tools. **PHOTO** -PAINT's professional-level **image** editing and painting abilities make it a good choice for editing and creation of **images** for print or the Web. The **Photo** Enhancement Pack also offers Corel KnockOut and Corel KPT (R) Collection. Users can create attention...

...special effects quickly and easily, and can publish them to the Web with

superior Internet **graphics** . Low-res **image** editing allows creation of a low - **resolution** version of an original **high - resolution graphic** . Other features include precise placement of **images** and elements, an enhanced print engine, a customizable workspace, clipboard operations for cutting and pasting in CMX format, Fade Last option, backgroundless **image** , memory management, and IntelliMouse (TM) support. When combined with its many other suite components, Corel **GRAPHICS SUITE** lets users freely explore creative activity using dynamic, interactive tools, advanced effects, and high...

DESCRIPTORS: Clip Art; Desktop Publishing Utilities; Digital Asset Management; Draw; **Graphics Tools**; **Image Processing**; Page Composition; Paint; Web Site Design

21/3,K/6

DIALOG(R) File 256:TecInfoSource  
(c)2004 Info.Sources Inc. All rts. reserv.

01194875 DOCUMENT TYPE: Product

**PRODUCT NAME: DigiPage 4.0 (194875)**

Fusion Systems International (750026)  
12021 NE Airport Way  
Portland, OR 97220 United States  
TELEPHONE: (503) 255-5800

RECORD TYPE: Directory

CONTACT: Sales Department

REVISION DATE: 20040503

...0 streamlines the preview, proofing, and output of press-ready files. A single server generates **high - resolution** separations and color composite proofs. The system automates post-RIP page imposition processing. DigiPage 4...

...Color composite proofs provide users with screening, trap, and overprint information. DigiPage files includes 72dpi **images** , which support softproofing and OPI imposition processes. The solution can drive low - **resolution** proofers, wide-format plotters, **imagesetters** , and CTP devices simultaneously. It handles EPS, PostScript, DCS2, PDF, and other file formats.

DESCRIPTORS: **Image Processing**; Page Composition; Printing & **Graphic Arts**; RIP (Raster **Image Processors**); Soft Proofing

21/3,K/7

DIALOG(R) File 256:TecInfoSource  
(c)2004 Info.Sources Inc. All rts. reserv.

01164763 DOCUMENT TYPE: Product

**PRODUCT NAME: Antique Maps of the World (164763)**

Digital Wisdom Inc (589403)  
PO Box 2070 300 Jeanette Dr

Tappahanock, VA 22560-2070 United States  
TELEPHONE: (804) 443-9000

RECORD TYPE: Directory

CONTACT: Sales Department

REVISION DATE: 20030915

...Charts and Illustrations, Extraordinary Cartographic Motifs, and Antique Maps of the Continents and Regions collections. **Images** are available in **high -**, medium-, and **low - resolution** versions. **High - resolution images** are 300 pixels per inch. RGB files range from 9MB to 60MB in size. Clipping...

...accessed by Adobe (R) Photoshop (R). Antique Maps of the World's TIFF and JPEG **images** also can be edited with Adobe PageMaker (R) and **ImageReady** (R), CorelDRAW, Live **Picture**, and other programs.

DESCRIPTORS: Clip Art; Content Providers; Desktop Publishing Utilities;  
**Graphics** Tools; Mapping

**21/3,K/8**

DIALOG(R)File 256:TecInfoSource  
(c)2004 Info.Sources Inc. All rts. reserv.

01131989 DOCUMENT TYPE: Product

PRODUCT NAME: **Agility (131989)**

Pindar Systems Inc (608483)  
414 N Orleans St #708  
Chicago, IL 60622 United States  
TELEPHONE: (312) 828-1111

RECORD TYPE: Directory

CONTACT: Sales Department

REVISION DATE: 030206

...catalogs in multiple languages. Online collaborative whiteboarding features speed design tasks. It also provides batch **image** importing, multiple **image** preview, and **high -** and **low - resolution image** conversion options. The system includes brand asset and content syndication management tools. Agility integrates with...

**21/3,K/9**

DIALOG(R)File 256:TecInfoSource  
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00125274 DOCUMENT TYPE: Review

PRODUCT NAMES: **ImagePort (013528); Printools XT (013536); Enhance Preview XT (013544)**

**TITLE: XTension Cords**

**AUTHOR: Romano, Richard**

**SOURCE: Micro Publishing News, v11 n5 p23(2) May 2000**

Homepage: <http://www.micropubnews.com>

RECORD TYPE: Review

REVIEW TYPE: Review

GRADE: A

REVISION DATE: 20010730

PRODUCT NAMES: ImagePort (

A Lowly Apprentice Productions' (ALAP's) **ImagePort**, Badia Software's Printtools XTension, and KGA's Enhance PreviewXT are highlighted in a discussion...

...to QuarkXPress' function set. XTensions can dramatically or minimally enhance the native abilities of QuarkXPress. **ImagePort** allows users to import native Photoshop files into QuarkXPress 4.1 with all layers unchanged...

...multiple clipping paths, and easily try out different text wraps around different paths. Included with **ImagePort** is a free print-only XTension that can be given to the service bureau for outputting of a Quark file with the **ImagePorted image**. Printtools XTension allows designers to preview how a page will print. Printtools is particularly useful...

...the fact. Printtools also has some other added features, including printing usage reports for Fonts, **Pictures**, and Colors. Enhance Preview XT is now available for QuarkXPress 4.x (2.1.4). Users can view **high - resolution** previews in Quark and can also toggle between the normal **low - resolution** screen previews in QuarkXPress and **high - resolution** previews. Users can enhance all previews or enhance one at a time.

...COMPANY NAME: 661422); Koyosha **Graphics** of America (KGA...  
DESCRIPTORS: **Graphics** Tools; **Image** Processing; Photoshop; Print Utilities; QuarkXPress; Soft Proofing; WYSIWYG

21/3,K/10

DIALOG(R)File 256:TecInfoSource

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00123302 DOCUMENT TYPE: Review

PRODUCT NAMES: Dinosaurs ROM (796808); Everyday Collection (796816); Fantasy Figures (796824); Sampler (796794)

TITLE: In the Lab: Stock Models

AUTHOR: Perkins, Brendon

SOURCE: 3D, v6 n3 p49(2) Mar 2000

ISSN: 1526-0720

Homepage: <http://www.3dgate.com>

RECORD TYPE: Review

REVIEW TYPE: Product Comparison

GRADE: Product Comparison, No Rating

REVISION DATE: 20000730

**Graphic** Detail's distribution of the Gruppo Iride's Dinosaurs ROM, epic software group's Everyday...

...model look very realistic. The CD is well-organized by content format and model with **low** and **high resolutions**. However, documentation is a bit sparse. Epic's CD-ROM-based model library offerings include...

COMPANY NAME: **Graphic Detail Inc...**

DESCRIPTORS: **3D Graphics**; Animation; Clip Art; **Graphics Tools**; Models; Streaming Media

**21/3,K/11**

DIALOG(R)File 256:TecInfoSource

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00122067 DOCUMENT TYPE: Review

PRODUCT NAMES: **QuarkXPress 4.0** (015910); **Quark Publishing System 1.12 & 2.0** (425681); **DeskNetAPS** (788651); **MediaBank** (629111)

TITLE: **On the Same Page: Computerworld clicks with new workflow solutions...**

AUTHOR: Greenlaw, Dawn

SOURCE: Publishing & Production Executive, v13 n11 p30(2) Nov 1999

ISSN: 1048-3055

HOME PAGE: <http://www.ppe-online.com>

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

REVISION DATE: 20030625

...in an integrated, automated publishing system. Before installing QPS, the workstations used by staff for **graphics** and page layout were poorly integrated, and the magazine could not work with **high - resolution images** internally. The printer had to provide **low - resolution** versions for page placement and for follow-on OPI swapping. DeskNet provided a knowledge transfer of QPS, and, when copydesk and **graphics** staffers saw it in use, they were sure they could use the system. The copydesk and **graphics** staff had been running QuarkXpress for six months before QPS 1.12 was installed. DeskNet also assisted with asset management, for which 'Computerworld' uses Inso's MediaBank, which creates **low - and high - resolution** files. When QPS was installed, 'Computerworld' also installed DesknetAPS, which links, automates, and manages many...

**21/3,K/12**

DIALOG(R)File 256:TecInfoSource

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00121043 DOCUMENT TYPE: Review

PRODUCT NAMES: **Envision-i 3D 4.1** (693308); **ConceptWorks** (778877); **OneSpace Collaboration 3** (732893); **Pivotal** (782581)

TITLE: **Collaborative Design Software: Give and Take (with a Very Long Reach)**

AUTHOR: Hartwig, Glenn

SOURCE: Desktop Engineering Magazine, v5 n1 p62(3) Sep 1999

ISSN: 1085-0422

HOME PAGE: <http://www.deskeng.com>

RECORD TYPE: Review  
REVIEW TYPE: Product Analysis  
GRADE: Product Analysis, No Rating

REVISION DATE: 20030527

...come into the original navigation tools in a 3D model, information is streamed from server **image** from server to client. Old data is flushed out of the client machine. Users do...  
...to work at the slowest speed in a group. Those with faster transmission capabilities get **high - resolution images** quickly while slower links get **lower resolution images** at first, with resolution gradually improving over time. Another approach is using OneSpace, which allows...

21/3,K/13

DIALOG(R)File 256:TecInfoSource  
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00120556 DOCUMENT TYPE: Review

**PRODUCT NAMES: Mirai (779687)**

**TITLE: Mirai: Nichimen's speedy polygonal modeler**  
**AUTHOR: Maestri, George**  
**SOURCE: Computer Graphics World, v22 n8 p102(1) Aug 1999**  
**ISSN: 0271-4159**  
**HOME PAGE: http://www.cgw.com**

RECORD TYPE: Review  
REVIEW TYPE: Review  
GRADE: A

REVISION DATE: 20000228

Nichimen **Graphics** ' Mirai, a fast polygonal modeler, is an excellent choice for users who animate characters as...

...manipulation. An effective smoothing algorithm is used in Mirai so that users can make a **high resolution** model from a **low -res** model. When the object has been modeled, it can be textured using a compete...

**COMPANY NAME: Nichimen Graphics Inc...**  
**DESCRIPTORS: 3D Graphics ; Animation; Graphics Tools; Image Processing; Models; Paint**

21/3,K/14

DIALOG(R)File 256:TecInfoSource  
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00119833 DOCUMENT TYPE: Review

**PRODUCT NAMES: Tarzan Action Game (775738)**

**TITLE: Tarzan Action Game**  
**AUTHOR: Poole, Stephen**  
**SOURCE: PC Gamer, v6 n9 p127(1) Sep 1999**  
**ISSN: 1080-4471**



RECORD TYPE: Review  
REVIEW TYPE: Review  
GRADE: B

REVISION DATE: 19991230

...and their parents. Anyone else will find it a ho-hum action game with nice **graphics** and an easy-to-use control scheme. However, Tarzan Action Game adds nothing to the...

...down vines, and other Tarzan-like activities. Many video modes are available, including Glide, Direct3D, **high** - and **low** - **resolution** software rendering, and windowed modes. Action reminds the gamer of Mario, Sonic, Pitfall Harry, and...

?

File 344:Chinese Patents Abs Aug 1985-2004/May  
(c) 2004 European Patent Office  
File 347:JAPIO Nov 1976-2004/Jun(Updated 041004)  
(c) 2004 JPO & JAPIO  
File 350:Derwent WPIX 1963-2004/UD,UM &UP=200467  
(c) 2004 Thomson Derwent

Set	Items	Description
S1	4756	WATERMARK? OR WATER()MARK?
S2	10144	(DIGIT? OR ELECTRONIC?) (3N) (MARKER? OR MARKING? OR SYMBOL? OR STENCIL? OR PATTERN? OR FINGERPRINT? OR IDENTIFIER? OR MAS- K?)
S3	211	STEGANOGRAPH?
S4	7268	(LOW? OR LESSER) (3N)RESOLUTION?
S5	53986	(HIGH OR MORE) (3N)RESOLUTION?
S6	1757810	IMAGE? OR GRAPHIC? OR PICTURE? OR PHOTO OR PHOTOGRAPH?
S7	4826	(S1 OR S2 OR S3) AND (EMBED? OR MERG? OR JOIN? OR INSERT? - OR ATTACH? OR INTEGRAL? OR INTEGRAT? OR EMBOSS? OR ADHER? OR - ADD OR ADDED OR ADDING)
S8	5862	(DETECT? OR LOCAT? OR DETERMIN? OR SPECIF?) AND (S1 OR S2 - OR S3)
S9	3672	(PURCHAS? OR BUY?) AND S6
S10	526	AU=(TERASAKI, H? OR TERASAKI H?)
S11	691812	IC=G06K? OR G06F?
S12	1973	S7 AND S6
S13	9	S12 AND S4 AND S5
S14	5	S13 NOT PY=>2001
S15	11	S9 AND S8
S16	10	S15 NOT S13
S17	0	S16 NOT PY=>2001
S18	2	S10 AND S7
S19	0	S18 NOT (S13 OR S16)
S20	2674	S4 AND S5 AND S6
S21	5	S20 AND (BUY? OR PURCHAS?)
S22	4	S21 NOT (S13 OR S16)
S23	8	S8 AND S4 AND S5
S24	3	S23 NOT (S21 OR S13 OR S16)
S25	416	S20 AND S11
S26	213	S25 AND (PRINT? OR DISPLAY?)
S27	3	S26 AND (S1 OR S2 OR S3)
S28	2	S27 NOT (S23 OR S21 OR S13 OR S16)
S29	2	S28 NOT PY=>2001

14/3,K/1 (Item 1 from file: 347)  
DIALOG(R)File 347:JAPIO  
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00376140

LIGHT TRANSMITTING PARTICLES FOR COLOR **IMAGE** FORMATION

PUB. NO.: 54-028140 [JP 54028140 A]  
PUBLISHED: March 02, 1979 (19790302)  
INVENTOR(s): ISHIDA EISUKE  
TAKASHIMA YUJI  
NISHIGUCHI HISANORI  
MIYAZAWA YOSHIE  
ENDO SHIGERU  
APPLICANT(s): MATSUSHITA ELECTRIC IND CO LTD [000582] (A Japanese Company  
or Corporation), JP (Japan)  
HODOGAYA CHEM CO LTD [000531] (A Japanese Company or  
Corporation), JP (Japan)  
APPL. NO.: 52-093822 [JP 7793822]  
FILED: August 04, 1977 (19770804)  
JOURNAL: Section: E, Section No. 107, Vol. 03, No. 51, Pg. 33, April  
28, 1979 (19790428)

LIGHT TRANSMITTING PARTICLES FOR COLOR **IMAGE** FORMATION

...JAPIO CLASS: **Photography** & Cinematography); 14.3 (ORGANIC CHEMISTRY  
ABSTRACT

PURPOSE: To form a sharp colored **image** of low fog and high  
**resolution** by an **electronic marking** -off method without using color  
separating filters, by **adding** a magenta coloring specified sublimable  
colorless dye.

14/3,K/2 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2004 Thomson Derwent. All rts. reserv.

010676478 \*\*Image available\*\*  
WPI Acc No: 1996-173432/199618  
XRPX Acc No: N96-145683

Reduction of quantisation artifacts in hierarchical image system -  
reducing quantisation artifacts in addition and removal of digital  
watermark to and from selected resolution image of hierarchical image  
storage system where watermark removal record is placed in higher  
resolution image component

Patent Assignee: EASTMAN KODAK CO (EAST )  
Inventor: RABBANI M  
Number of Countries: 005 Number of Patents: 006  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 705025	A2	19960403	EP 95420266	A	19950925	199618 B
JP 8211857	A	19960820	JP 95252906	A	19950929	199643
US 5568570	A	19961022	US 94315781	A	19940930	199648
EP 705025	A3	19961204	EP 95420266	A	19950925	199707
EP 705025	B1	20000329	EP 95420266	A	19950925	200020
DE 69515952	E	20000504	DE 615952	A	19950925	200029
			EP 95420266	A	19950925	

Priority Applications (No Type Date): US 94315781 A 19940930

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 705025	A2	E	23	H04N-001/40	

Designated States (Regional): DE FR GB  
 EP 705025 B1 E H04N-001/60  
 Designated States (Regional): DE FR GB  
 DE 69515952 E H04N-001/60 Based on patent EP 705025  
 JP 8211857 A 16 G09G-005/00  
 US 5568570 A 24 G06K-009/00  
 EP 705025 A3 H04N-001/40

# Reduction of quantisation artifacts in hierarchical image system...

...reducing quantisation artifacts in addition and removal of digital watermark to and from selected resolution image of hierarchical image storage system where watermark removal record is placed in higher resolution image component

...Abstract (Basic): The method involves determining the difference values between the pixel values in the low resolution image and the corresp. pixel values in the higher resolution image. Each difference value is compared against quantised conversion values to determine if an error would...

...The image pixel values within the low resolution image component are adjusted if an error exists. They are adjusted (36) to a value that eliminates the error to form an adjusted low resolution image. The unadjusted image pixel values are used as part of the low resolution image component if an error does not exist...

...USE/ADVANTAGE - Reducing artifacts in hierarchical image storage and retrieval system employing quantisation of residual image components. Improves quality of high resolution image component by modifying lower resolution image component whose image quality is less critical...

...Abstract (Equivalent): A method for reducing quantization artifacts in a hierarchical image system of the type that decomposes a high resolution image into low resolution image components, including low resolution image pixel values, and residual image pixel values comprising the steps of...

...a) forming a predicted higher resolution image by interpolating the pixel values of the low resolution image components...

...b) determining the difference values between the pixel values in the low resolution image and the corresponding pixel values in the higher resolution image ;

...

...d) adjusting the image pixel values within the low resolution image component if an error would exist, to a value that eliminates the error to form an adjusted low resolution image ;

...

...e) using the unadjusted image pixel value as part of the adjusted low resolution image component if an error does not exist; and...

...f) forming a predicted higher resolution image by interpolating the pixel values of the adjusted low resolution image components of steps d) and e...

...g) determining the difference values between the interpolated pixel values in the predicted higher resolution image and the corresponding

pixel values in the higher resolution **image** ;

...

...i) adjusting further the **image** pixel values within the adjusted **low resolution image** component if an error would exist, to a value that eliminates the error to form an adjusted **low resolution image** ;  
and...

...j) using the unadjusted **image** pixel value as part of the adjusted **low resolution image** component if an error does not exist

...Title Terms: **IMAGE** ;

14/3,K/3 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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010262577 \*\*Image available\*\*

WPI Acc No: 1995-163832/199522

XRPX Acc No: N95-128520

**Watermark addition and removal for digital image storage and retrieval - stores low and high resolution images , with retrieval of high resolution image using correct encryption key**

Patent Assignee: EASTMAN KODAK CO (EAST )

Inventor: AXMAN M S; BARADAR A R; MELNYCHUCK P W; RABBANI M

Number of Countries: 003 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 651554	A1	19950503	EP 94420293	A	19941025	199522 B
JP 7212712	A	19950811	JP 94258564	A	19941024	199541

Priority Applications (No Type Date): US 93146371 A 19931029

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

EP 651554 A1 E 12 H04N-001/21

Designated States (Regional): DE GB

JP 7212712 A 11 H04N-005/92

**Watermark addition and removal for digital image storage and retrieval...**

...**stores low and high resolution images , with retrieval of high resolution image using correct encryption key**

...Abstract (Basic): The **image** processing system includes the use of an encrypted digital **watermark** . The system uses a base **image** that is combined with a **watermark** (22) and stored on an optical disk in an encrypted (26) form. From this base **image** , a number of hierarchial **images** such as base/4 and base/16 are formed along with their residuals. Each level may be encoded before storage on disk. Non-residual sub-sampled **images** at base/4 and base/16 may also be stored...

...his passwords and generate each higher level from a lower level. To remove the digital **watermark** , a specific encryption key is required  
...

...ADVANTAGE - Allows for distribution of hierarchial **images** and removal of **watermark** by encryption key...

Title Terms: **WATERMARK** ;

14/3,K/4 (Item 3 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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009787605 \*\*Image available\*\*  
WPI Acc No: 1994-067458/199409  
XRPX Acc No: N94-052814

Graphic pattern generating for, e.g. preparation of catalogue pages -  
defining colour content of seed pixels at selected positions within  
pattern area and generates successively lower resolution versions in  
accordance with predetermined algorithm

Patent Assignee: FUJIFILM ELECTRONIC IMAGING LTD (FUJF ); CROSFIELD  
ELECTRONICS LTD (CROE )

Inventor: KIRK R A

Number of Countries: 003 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 584941	A1	19940302	EP 93305816	A	19930723	199409 B
US 5471566	A	19951128	US 93106568	A	19930816	199602
EP 584941	B1	19981125	EP 93305816	A	19930723	199851
DE 69322216	E	19990107	DE 622216	A	19930723	199907
			EP 93305816	A	19930723	

Priority Applications (No Type Date): GB 9217361 A 19920814

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 584941	A1	E	10	G06F-015/72	
				Designated States (Regional):	DE GB
US 5471566	A		9	G06F-015/62	
EP 584941	B1	E		G06T-011/40	
				Designated States (Regional):	DE GB
DE 69322216	E			G06T-011/40	Based on patent EP 584941

Graphic pattern generating for, e.g. preparation of catalogue pages...

...defining colour content of seed pixels at selected positions within  
pattern area and generates successively lower resolution versions in  
accordance with predetermined algorithm

...Abstract (Basic): The method of generating a graphics pattern involves  
defining the colour content of pixels at selected positions within the  
pattern area which are to influence the resultant pattern. The  
remaining pixels at the first high resolution are considered as  
having undefined colour content. Successively lower spatial  
resolution versions of the pattern area are generated in accordance  
with a predetermined algorithm which when...

...the next higher resolution version neighbouring an undefined pixel  
interpolates colour data for the corresponding lower resolution  
pixel, until all pixels of a lower resolution version contain  
defined data...

...A version of the pattern data is generated at the first high  
resolution and the content of at least the previously undefined first  
high resolution pixels is obtained from the lower resolution  
versions of the pattern area...

...USE/ADVANTAGE - Useful for generating shadows around objects within  
image or image portion, and enabling other features to be inserted  
. Enables saps formed by scratches to be filled...

...Abstract (Equivalent): A method of generating a **graphics pattern** comprising **digital** data defining the colour content of pixels of the pattern within a pattern area at a first, **high resolution**, the method comprising...

...are to influence a resultant pattern, all pixels in the pattern area at the first **high resolution** other than the first pixels being considered as having undefined colour content; (b) generating successively **lower spatial resolution** versions of the pattern area in accordance with a predetermined algorithm which, when a predetermined...

...a next higher resolution version neighbouring an undefined pixel, interpolates colour data for the corresponding **lower resolution** pixel, until all pixels of a **lower resolution** version contain defined data; and (c) generating a version of the pattern area at the first, **high resolution** where the content of at least the previously undefined first **high resolution** pixels is obtained from the **lower resolution** versions of the pattern area...

Title Terms: **GRAPHIC** ;

14/3,K/5 (Item 4 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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004679675

WPI Acc No: 1986-183017/198628

XRPX Acc No: N86-136591

**Compensating distortion in television receiver - joining high and low resolution parts of extended aspect ratio display without distortion**

Patent Assignee: AMERICAN TELEPHONE & TELEGRAPH CO (AMTT )

Inventor: LOCICERO J L; PAZARCI M; RZESZEWSKI T S

Number of Countries: 013 Number of Patents: 007

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 8603923	A	19860703	WO 85US2521	A	19851218	198628 B
EP 207139	A	19870107	EP 85900534	A	19851218	198701
JP 62501667	W	19870702				198732
US 4694328	A	19870915	US 84684488	A	19841221	198739
CA 1243397	A	19881018				198846
EP 207139	B	19900613				199024
DE 3578299	G	19900719				199030

Priority Applications (No Type Date): US 84684488 A 19841221

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 8603923	A	E	27		

Designated States (National): JP

Designated States (Regional): AT BE CH DE FR GB IT LU NL SE

EP 207139 A E

Designated States (Regional): DE FR GB IT NL

EP 207139 B

Designated States (Regional): DE FR GB IT NL

... joining **high and low resolution parts of extended aspect ratio display without distortion**

...Abstract (Basic): display signal is received. The analog signal is multiplied by the decoded edge signal and **added** to the decoded centre

signal to compensate the display...

...ADVANTAGE - High definition TV signals with extended aspect ratio for display on movie theatre screen. **Picture** is displayed without distortion at points where **low** -and **high** - **resolution** segments **join**. (27pp Dwg.No.1/6)

...Abstract (Equivalent): The compensation parameters are calculated by converting Y,I and Q signals for the test **pattern** into **digital** samples and then processing these samples in a digital signal processor unit' After the compensation...

...Title Terms: **JOIN** ;

?



22/3,K/1 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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016262826 \*\*Image available\*\*  
WPI Acc No: 2004-420720/200439  
XRPX Acc No: N04-333897

**Distribute image trading system for use in graphic art industry, has image publisher with repository for high - resolution images where image publisher, image buyer and system service unit are in communication**

Patent Assignee: CREO IL LTD (CREO-N)  
Inventor: BEERY R; GELBENDORF H; LIPOWITZ S  
Number of Countries: 105 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200446982	A1	20040603	WO 2003IL674	A	20030814	200439 B

Priority Applications (No Type Date): US 2002426351 P 20021115

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200446982	A1	E	45	G06F-017/60	

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA  
CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN  
IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO  
NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US  
UZ VC VN YU ZA ZM ZW

Designated States (Regional): AT BE BG CH CY CZ DE DK EA EE ES FI FR GB  
GH GM GR HU IE IT KE LS LU MC MW MZ NL OA PT RO SD SE SI SK SL SZ TR TZ  
UG ZM ZW

**Distribute image trading system for use in graphic art industry, has image publisher with repository for high - resolution images where image publisher, image buyer and system service unit are in communication**

Abstract (Basic):

... The system has an **image publisher** (110) with one of a repository for **high - resolution images** and an **image publishing module**. An **image buyer** with an **image enhancement module**. A system service unit with **image attributes database**, a search module for searching the database, a billing module (170), and a coordination and control module. The **image publisher**, the **image buyer** and the system service unit are in communication.

... a) a method of locating and **purchasing high - resolution images**

(...  
...b) a method of **image presentation** by preference segmentation in transactions controlled by an **image -bank** or peer-to-peer service...

...c) a method of embedding **images** , elected from an **image -bank** or a peer-to-peer service...

...Used in a **graphic art industry** over peer-to-peer network...

...The **image publisher**, the **image buyer** and the system service unit are in communication, thereby providing an opportunity for a **buyer** to verify and enhance **low - resolution image** of each elected thumbnail and quality check selected parts of each respective **high - resolution image** file. This opportunity encourages the **buyer** to purchase

high - resolution images , by negotiating directly with an image supplier the terms of purchase and mode of payment...

...drawing of a typical layout and inter-unit workflow of peer-to-peer service unit, image publisher unit and graphic arts buyer unit...

... Image supplier (20...

... Image consumer (40...

... Image publisher (110...

... Image attributes database (160

...Title Terms: IMAGE ;

22/3,K/2 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014134239 \*\*Image available\*\*

WPI Acc No: 2001-618450/200172

XRPX Acc No: N01-461324

Digital image based goods Internet based manipulation and ordering method where a low resolution image is uploaded to preview the goods and a high resolution image uploaded after purchase

Patent Assignee: EASTMAN KODAK CO (EAST )

Inventor: CHAUVIN L A; FRY P T

Number of Countries: 026 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 1139256	A1	20011004	EP 2001201006	A	20010319	200172 B

Priority Applications (No Type Date): US 2000540148 A 20000331

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
EP 1139256	A1	E 8	G06F-017/60	

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT  
LI LT LU LV MC MK NL PT RO SE SI TR

Digital image based goods Internet based manipulation and ordering method where a low resolution image is uploaded to preview the goods and a high resolution image uploaded after purchase

Abstract (Basic):

... A low resolution digital image is uploaded over the Internet to the sever. The image is manipulated to show the user previews of the goods that can be purchased then a high resolution image is uploaded to make the final product. The low resolution image can be no greater that 200 by 150 pixels and the high resolution image can be no smaller than 780 by 560 pixels.

... An INDEPENDENT CLAIM is made for a system for manipulating and ordering goods featuring images over The Internet...

...For Internet sites where goods such as gifts, image imprinted articles and enlargements based on digital images are sold...

...Goods are able to be ordered without having to wait for a high resolution image file to be uploaded to the server...

... image storage device (27

...Title Terms: **IMAGE** ;

22/3,K/3 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012646245 \*\*Image available\*\*

WPI Acc No: 1999-452350/199938

XRPX Acc No: N99-338663

Recording head for e.g. copier, printer, facsimile machine - has switching controller which performs switching control of processed form of input recording data from recording-device main body, in response to predetermined identified image resolution

Patent Assignee: CANON KK (CANO )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 11188877	A	19990713	JP 97361580	A	19971226	199938 B

Priority Applications (No Type Date): JP 97361580 A 19971226

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 11188877	A	10	B41J-002/05	

... form of input recording data from recording-device main body, in response to predetermined identified image resolution

...Abstract (Basic): data from the main body (1) of a recording device, in response to the identified **image** resolution. DETAILED DESCRIPTION - The recording head (15) includes a recording unit (2000) provided with number...

...recording data. A data converter (1700) performs the conversion of the recording data into the **high - resolution** data when the difference of the resolution of the input recording data is determined. A...

...converter (1600) performs the conversion of the recording timing of the dot corresponding to the **high - resolution** data, within the limits describing the dot of the recording data with **low resolution** before the data conversion. An INDEPENDENT CLAIM is also included for a recording device...

...ADVANTAGE - Cost-effective since waste of recording head is eliminated because newly- **purchased** recording head can be made compatible with the existing recording device for **high - resolution** and **low - resolution** data recording. DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of the logic...

...Title Terms: **IMAGE** ;

22/3,K/4 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012488574 \*\*Image available\*\*

WPI Acc No: 1999-294682/199925

XRPX Acc No: N99-221259

Image processing method for digital photograph service using network e.g. internet - involves forwarding content of information process from client to server by giving desired process using program forwarded to

low resolution image data  
Patent Assignee: FUJI PHOTO FILM CO LTD (FUJF ); HARA S (HARA-I); NAKAJIMA  
N (NAKA-I)

Inventor: HARA S; NAKAJIMA N

Number of Countries: 002 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 11098286	A	19990409	JP 97255034	A	19970919	199925 B
US 20020038323	A1	20020328	US 98156764	A	19980918	200225
US 6718353	B2	20040406	US 98156764	A	19980918	200425

Priority Applications (No Type Date): JP 97255034 A 19970919

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 11098286	A	9	H04N-001/00	
US 20020038323	A1		G09G-005/00	
US 6718353	B2		G06T-015/00	

Image processing method for digital photograph service using network  
e.g. internet...

...of information process from client to server by giving desired process  
using program forwarded to low resolution image data

...Abstract (Basic): NOVELTY - High and low resolution mask data  
(7a,7b) are used for processing high and low resolution image  
data (5c,5b) respectively. The procedure for processing using the given  
mask data is stored...

...process is forwarded from client to server by giving desired process  
using program forwarded to low resolution image data. DETAILED  
DESCRIPTION - The hard disk of server computer stores program for  
processing depending on the resolution of image . An INDEPENDENT CLAIM  
is also included for photograph purchasing system...

...USE - For purchasing photograph .

...processing in a PC. DESCRIPTION OF DRAWING(S) - The figure shows schema  
of the processing purchase order for photograph . (3) Hard disk;  
(5c,5b) Image data; (7a,7b) Mask data

Title Terms: IMAGE ;

?

24/3,K/1 (Item 1 from file: 347)  
DIALOG(R)File 347:JAPIO  
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07226328 \*\*Image available\*\*  
ELECTRONIC **WATERMARK** UNIT

PUB. NO.: 2002-094769 [JP 2002094769 A]  
PUBLISHED: March 29, 2002 (20020329)  
INVENTOR(s): MAENO KURATO  
APPLICANT(s): OKI ELECTRIC IND CO LTD  
APPL. NO.: 2000-278141 [JP 2000278141]  
FILED: September 13, 2000 (20000913)

ELECTRONIC **WATERMARK** UNIT

#### ABSTRACT

PROBLEM TO BE SOLVED: To provide an electronic **watermark** unit that acquires only a part of image data to **detect** falsification, even with a **low - resolution** image.

SOLUTION: The electronic **watermark** unit is provided with a Wavelet transform means 101 that applies Wavelet transformation to an input image, an electronic **watermark** imbedding means 102, that imbeds an electronic **watermark** to a **low - frequency** component ( **low - resolution** component) of a coefficient subjected to Wavelet transformation, an electronic **watermark** imbedding means 103 that imbeds an electronic **watermark** to an intermediate frequency component (intermediate resolution component) of the coefficient subjected to Wavelet transformation, an electronic **watermark** imbedding means 104, that imbeds an electronic **watermark** to a **high** frequency component ( **high - resolution** component) of the coefficient subjected to the Wavelet transformation, and an encoding means 105 that encodes the Wavelet coefficient to which the electronic **watermark** is imbedded to generate encoded data.

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24/3,K/2 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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015472245 \*\*Image available\*\*  
WPI Acc No: 2003-534391/200351  
XRPX Acc No: N03-424037

**Contact sensor for finger of stylus for use with a pocket computer, etc., whereby sensor has a low resolution low power operation mode for command input and a high resolution high power mode for fingerprint authentication**

Patent Assignee: STMICROELECTRONICS SA (SGSA )  
Inventor: LE-PAILLEUR L; LE PAILLEUR L  
Number of Countries: 031 Number of Patents: 003  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
FR 2832240	A1	20030516	FR 200114655	A	20011113	200351 B
US 20030112226	A1	20030619	US 2002292380	A	20021112	200351
EP 1313059	A1	20030521	EP 2002292765	A	20021106	200351

Priority Applications (No Type Date): FR 200114655 A 20011113  
Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

FR 2832240 A1 23 G06K-009/46

US 20030112226 A1 G09G-005/00

EP 1313059 A1 F G06K-009/00

Designated States (Regional): AL AT BE BG CH CY CZ DE DK EE ES FI FR GB  
GR IE IT LI LT LU LV MC MK NL PT RO SE SI SK TR

... for finger of stylus for use with a pocket computer, etc., whereby  
sensor has a low resolution low power operation mode for command  
input and a high resolution high power mode for fingerprint  
authentication

Abstract (Basic):

... Touch-sensitive **detector** (1) comprises a **detection** surface  
(2), a conducting section (3), **detectors** (D1, D2), and first (E1,  
E1') and second (E2, E2') electrode pair assemblies. Each **detector** is  
arranged to **detect** a signal (S) emitted by an electrode and  
transmitted via an external element (10), in contact with the  
**detection** surface, to its matching electrode. The two electrode pairs  
have different operating capacities and so...

... An INDEPENDENT CLAIM is made for a **detection** method with two  
electrode pairs used to **detect** an object in contact with a **detection**  
surface. The operating capacity of the second set of electrodes is  
less than that of the first set and the **detection** surface area of the  
second electrode set is less than that of the first set. Thus the second  
electrode set may be used for **low - resolution** command input and  
cursor control, while the first electrode set can be used for user...

... **Detection** of a finger or stylus brought into contact with a contact  
**detection** surface. The **detection** surface can be used as an input  
command element or cursor control element or an **electronic**  
fingerprint sensor...

...touch sensitive **detector** (1...

... **detector** surface (2...

... **detectors** (D1, D2

24/3,K/3 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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015383200 \*\*Image available\*\*

WPI Acc No: 2003-444143/200342

XRAM Acc No: C03-118031

XRPX Acc No: N03-354540

**Positive photosensitive resin composition for forming relief patterns ,  
electronics , paints, printing ink, printing plate and adhesives contains  
polyimide having specific repeating unit and photosensitive agent**

Patent Assignee: MITSUI CHEM INC (MITA )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2003084434	A	20030319	JP 2001274391	A	20010911	200342 B

Priority Applications (No Type Date): JP 2001274391 A 20010911

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

**Positive photosensitive resin composition for forming relief patterns ,  
electronics , paints, printing ink, printing plate and adhesives contains  
polyimide having specific repeating unit and photosensitive agent**

Abstract (Basic):

... The positive photosensitive resin composition has **high**  
sensitivity, high **resolution** , **high** thermoresistance, **low**  
dielectricity, low stress, good mechanical stability, low linear  
expansion rate, low hygroscopicity, good adhesiveness and...

...Title Terms: **SPECIFIC** ;

?

29/3,K/1 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2004 Thomson Derwent. All rts. reserv.

013483167 \*\*Image available\*\*

WPI Acc No: 2000-655110/200063

XRPX Acc No: N00-485527

**Pantograph version printing method for business forms, involves scanning position pattern and creating digital image having low resolution for printing pantograph version**

Patent Assignee: MOORE USA INC (MOOF )

Inventor: MCKENZIE J K K M

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6101293	A	20000808	US 97954473	A	19971020	200063 B

Priority Applications (No Type Date): US 97954473 A 19971020

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

US 6101293 A 7 G06K-009/32

**Pantograph version printing method for business forms, involves scanning position pattern and creating digital image having low resolution for printing pantograph version**

Abstract (Basic):

... A positive pattern is scanned by repeating geometric or organic shapes and a **high resolution digital image** is created in a computer. The **high resolution image** is interpolated and a **low resolution digital image** is obtained. The **low resolution image** is stored. The stored digital **image** is **printed** and a business form having a pantograph background is obtained.

... **Prints** business form having pantograph background using modern digital techniques...

...The figure shows the flow diagram explaining pantograph version **printing** method

...Title Terms: **PRINT** ;

International Patent Class (Main): G06K-009/32

29/3,K/2 (Item 2 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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001332936

WPI Acc No: 1975-M6866W/197547

**High - resolution digital generator of graphic symbols with edging - for TV broadcasting, uses 4-phase video signals of low clock rate**

Patent Assignee: RCA CORP (RADC )

Number of Countries: 002 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 3918039	A	19751104				197547 B
CA 1056967	A	19790619				197927

Priority Applications (No Type Date): US 74521784 A 19741107

**High - resolution digital generator of graphic symbols with edging...**



...Abstract (Basic): A **graphic symbol** , completely **digital** , video signal generator, suitable for use in a television broadcast **display** control system, derives **high resolution** (50 nano-second video dot period) symbols with edging employing off-the-shelf **low resolution** (200 nanosecond period) shift registers. This is accomplished by employing four different phase clocks each...

...Title Terms: **GRAPHIC** ;

...International Patent Class (Additional): **G06K-015/18**

?

File 9:Business & Industry(R) Jul/1994-2004/Oct 25  
(c) 2004 The Gale Group  
File 15:ABI/Inform(R) 1971-2004/Oct 26  
(c) 2004 ProQuest Info&Learning  
File 16:Gale Group PROMT(R) 1990-2004/Oct 26  
(c) 2004 The Gale Group  
File 20:Dialog Global Reporter 1997-2004/Oct 26  
(c) 2004 The Dialog Corp.  
File 47:Gale Group Magazine DB(TM) 1959-2004/Oct 26  
(c) 2004 The Gale group  
File 75:TGG Management Contents(R) 86-2004/Oct W3  
(c) 2004 The Gale Group  
File 80:TGG Aerospace/Def.Mkts(R) 1986-2004/Oct 26  
(c) 2004 The Gale Group  
File 88:Gale Group Business A.R.T.S. 1976-2004/Oct 22  
(c) 2004 The Gale Group  
File 98:General Sci Abs/Full-Text 1984-2004/Sep  
(c) 2004 The HW Wilson Co.  
File 112:UBM Industry News 1998-2004/Jan 27  
(c) 2004 United Business Media  
File 141:Readers Guide 1983-2004/Sep  
(c) 2004 The HW Wilson Co  
File 148:Gale Group Trade & Industry DB 1976-2004/Oct 15  
(c)2004 The Gale Group  
File 160:Gale Group PROMT(R) 1972-1989  
(c) 1999 The Gale Group  
File 275:Gale Group Computer DB(TM) 1983-2004/Oct 26  
(c) 2004 The Gale Group  
File 264:DIALOG Defense Newsletters 1989-2004/Oct 25  
(c) 2004 The Dialog Corp.  
File 484:Periodical Abs Plustext 1986-2004/Oct W3  
(c) 2004 ProQuest  
File 553:Wilson Bus. Abs. FullText 1982-2004/Sep  
(c) 2004 The HW Wilson Co  
File 570:Gale Group MARS(R) 1984-2004/Oct 26  
(c) 2004 The Gale Group  
File 608:KR/T Bus.News. 1992-2004/Oct 26  
(c)2004 Knight Ridder/Tribune Bus News  
File 620:EIU:Viewswire 2004/Oct 22  
(c) 2004 Economist Intelligence Unit  
File 613:PR Newswire 1999-2004/Oct 26  
(c) 2004 PR Newswire Association Inc  
File 621:Gale Group New Prod.Annou.(R) 1985-2004/Oct 26  
(c) 2004 The Gale Group  
File 623:Business Week 1985-2004/Oct 25  
(c) 2004 The McGraw-Hill Companies Inc  
File 624:McGraw-Hill Publications 1985-2004/Oct 25  
(c) 2004 McGraw-Hill Co. Inc  
File 634:San Jose Mercury Jun 1985-2004/Oct 24  
(c) 2004 San Jose Mercury News  
File 635:Business Dateline(R) 1985-2004/Oct 26  
(c) 2004 ProQuest Info&Learning  
File 636:Gale Group Newsletter DB(TM) 1987-2004/Oct 26  
(c) 2004 The Gale Group  
File 647:CMP Computer Fulltext 1988-2004/Oct W3  
(c) 2004 CMP Media, LLC  
File 696:DIALOG Telecom. Newsletters 1995-2004/Oct 26  
(c) 2004 The Dialog Corp.  
File 674:Computer News Fulltext 1989-2004/Sep W1  
(c) 2004 IDG Communications  
File 810:Business Wire 1986-1999/Feb 28

(c) 1999 Business Wire  
File 813:PR Newswire 1987-1999/Apr 30  
(c) 1999 PR Newswire Association Inc  
File 587:Jane's Defense&Aerospace 2004/Aug W5  
(c) 2004 Jane's Information Group

Set	Items	Description
S1	53281	WATERMARK? OR WATER()MARK?
S2	31592	(DIGIT? OR ELECTRONIC?) (3N) (MARKER? OR MARKING? OR SYMBOL? OR STENCIL? OR PATTERN? OR FINGERPRINT? OR IDENTIFIER? OR MAS- K?)
S3	921	STEGANOGRAPH?
S4	41701	(LOW? OR LESSER) (3N) RESOLUTION?
S5	303369	(HIGH OR MORE) (3N) RESOLUTION?
S6	10028202	IMAGE? OR GRAPHIC? OR PICTURE? OR PHOTO OR PHOTOGRAPH?
S7	4412	(S1 OR S2 OR S3) (3N) (EMBED? OR MERG? OR JOIN? OR INSERT? OR ATTACH? OR INTEGRAL? OR INTEGRAT? OR EMBOSS? OR ADHER? OR ADD OR ADDED OR ADDING)
S8	1588	(DETECT? OR LOCAT? OR DETERMIN? OR SPECIF?) (3N) (S1 OR S2 OR S3)
S9	56984	(PURCHAS? OR BUY?) (3N) S6
S10	10	AU=(TERASAKI, H? OR TERASAKI H?)
S11	13	IC=G06K? OR G06F?
S12	1	S7(S) S6(S) S4(S) S5
S13	1	S8(S) S4(S) S5
S14	1	S13 NOT S12
S15	5	S8(S) S9
S16	5	S15 NOT (S13 OR S12)
S17	4	RD S16 (unique items)
S18	0	S10 AND S7
S19	0	S10 AND (S4 OR S5)
S20	6919	S4(S) S5(S) S6
S21	36	S20(S) (DISPLAY? OR PRINT?) (5N) (INTERNET OR BROWSER??)
S22	0	S21(S) S1:S3
S23	23	S21 NOT PY=>2001
S24	16	RD S23 (unique items)

12/3,K/1 (Item 1 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
(c) 2004 ProQuest Info&Learning. All rts. reserv.

00848068 94-97460

**Are you breaking the law?**

Martin, James A  
Macworld vlln5 PP: 124-129 May 1994  
ISSN: 0741-8647 JRNL CODE: MAW  
WORD COUNT: 4062

...TEXT: unknowingly.

Another option is to place a watermark, or translucent, copyright notice somewhere within the **image**. At least one online **photography** service is giving this solution a try. Arlington, Virginia-based **Picture** Network International (PNI), which is launching a stock-**photography** service called Seymour, in mid-1994, has **embedded** multiple copyright-notice **watermarks** in each of its online **images**. The watermarks are too small for most people to detect at **low resolutions** but are noticeable when the **image** is printed as a **high - resolution** CMYK file. PNI's marketing manager David Evans declined to say how this **watermark - embedding** scheme works.

"Someone could edit those notices out of the image," admits Evans, but they  
...  
?

14/3,K/1 (Item 1 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2004 The Gale Group. All rts. reserv.

05592946 SUPPLIER NUMBER: 12399671 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Manufacturers. (laser industry) (The 1992 Buyers Guide) (Directory)**

Laser Focus World, v27, nSPEISS, p746(155)

Dec 15, 1991

DOCUMENT TYPE: Directory ISSN: 0740-2511 LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT

WORD COUNT: 139277 LINE COUNT: 11434

?

17/3,K/1 (Item 1 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2004 The Gale Group. All rts. reserv.

06963294 Supplier Number: 58342562 (USE FORMAT 7 FOR FULLTEXT)  
**Manufacturers and Suppliers. (Alphabetical list of companies)**  
Lasers & Optronics, v18, n11, pS8  
Nov, 1999  
Language: English Record Type: Fulltext  
Document Type: Tabloid; Academic Trade  
Word Count: 71777

... products. Services include precision molding, annealing, slumping, sawing, grinding, generating, edging, cutting, and machining. Rebuild, buy, and sell used optical equipment.

Advanced Imaging Concepts Inc., 301 N. Harrison St., Suite 266...  
Hirschberg;

4 Employees; 2 Engineers; Established: 1959  
CAL-AV LABS, Inc. manufactures standard and custom **electronics** and systems. Our customers are the major labs and users from government, industry, and universities...

17/3,K/2 (Item 1 from file: 47)  
DIALOG(R)File 47:Gale Group Magazine DB(TM)  
(c) 2004 The Gale group. All rts. reserv.

04822451 SUPPLIER NUMBER: 19318845 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Building a digital library: concepts and issues. (part 3: numeric data, auxiliary services, infrastructure services)**  
Barber, David  
Library Technology Reports, v32, n5, p663(38)  
Sep-Oct, 1996  
ISSN: 0024-2586 LANGUAGE: English RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 18159 LINE COUNT: 01402

... a particular method a de facto standard. It would therefore be easy to add and **detect watermarks**. In this environment, invisible watermarks would be an easy-to-use and essential method for protecting intellectual property. They could assert a library's ownership of an image. If watermarked **images** were **purchased** from other

17/3,K/3 (Item 1 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2004 The Gale Group. All rts. reserv.

10204097 SUPPLIER NUMBER: 20597491 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Live Picture, Digimarc team to track stock photos across Web. (Company Business and Marketing)**  
Walsh, Jeff  
InfoWorld, v20, n19, p75(1)  
May 11, 1998  
ISSN: 0199-6649 LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 259 LINE COUNT: 00025

... a Web designer purchases a stock photo for online use, Digimarc will encode a transaction- **specific watermark** into the image. The provider of that image can then use Digimarc's MarcSpider service...

17/3,K/4 (Item 1 from file: 636)

DIALOG(R)File 636:Gale Group Newsletter DB(TM)  
(c) 2004 The Gale Group. All rts. reserv.

03582168 Supplier Number: 47415222 (USE FORMAT 7 FOR FULLTEXT)  
**DIGIMARC TECHNOLOGY: Digimarc extends copyright protection capability of**

**Aliroo's ScarLet software**

M2 Presswire, pN/A

May 27, 1997

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 746

... image, minimising the risk of infringement.

The scar can only be removed once a valid **image** licence is  
**purchased** and the key is provided to the customer. When an image is  
de-scarred at the point of purchase, ScarLet places an imperceptible  
Digimarc watermark in the image. The **watermark** will **specify** the  
transaction ID, giving the image a unique and persistent identity, linking  
it directly to...

?

24/3,K/1 (Item 1 from file: 9)  
DIALOG(R)File 9:Business & Industry(R)  
(c) 2004 The Gale Group. All rts. reserv.

2814923 Supplier Number: 02814923 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**China samples broadband spin**  
**(Cathay Roxus Information Technology Co has demonstrated the first SBA home gateway)**  
Electronic Engineering Times, p 40  
May 22, 2000  
DOCUMENT TYPE: Journal ISSN: 0192-1541 (United States)  
LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 349

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:

...makers in the form of processor orders from consumer electronics manufacturers.

WebScope, the Cathay Roxus **image** -processing technology, was developed to address the **low resolution** of TV-screen Web browsing. It provides **high - resolution Web images** selected via mouse or TV remote controller. The user would manipulate the mouse or remote to zoom in and out and to move around on the screen, selecting portions for **high - resolution** display. The technology is expected to make TVs and set-top boxes commercially viable for capturing and **displaying Internet** pages.

<http://www.eetimes.com/>

May 22, 2000 ...

24/3,K/2 (Item 2 from file: 9)  
DIALOG(R)File 9:Business & Industry(R)  
(c) 2004 The Gale Group. All rts. reserv.

2068640 Supplier Number: 02068640 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Dial-Up Images**  
**(Live Picture unveils Live Picture Image Server Standard Edition, which allows anyone using standard Web browser to view high-resolution images over dial-up connection)**  
Information Week, p 94  
February 16, 1998  
DOCUMENT TYPE: Journal; News Brief ISSN: 8750-6874 (United States)  
LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 93

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:

Live **Picture** Inc. has unveiled a line of **image** servers that let anyone using a standard Web browser view **high - resolution images** over a dial-up connection. Users can view the entire **image** initially in **low resolution** followed by increasingly detailed close-ups of selected portions. The software is intended for use by **Internet** retailers who want to **display** photos of merchandise, as well as by companies that want to share **high - resolution images** on an intranet or extranet. Live **Picture Image** Server Standard Edition will be generally available next month. Pricing ranges from \$495 to \$20...



**24/3,K/3 (Item 1 from file: 15)**

DIALOG(R)File 15:ABI/Inform(R)

(c) 2004 ProQuest Info&Learning. All rts. reserv.

00785419 94-34811

**Background textures on photo CD-ROMs**

Anonymous

Link-Up v10n5 PP: 21 Sep/Oct 1993

ISSN: 0739-988X JRNL CODE: LUP

WORD COUNT: 428

...TEXT: as a multimedia, video, or presentation background. In addition, the product ships with electronic and **printed browsers** that show thumbnail representations of the **images** for quick search and retrieval.

Careful planning and production went into the creation of the...

**24/3,K/4 (Item 1 from file: 16)**

DIALOG(R)File 16:Gale Group PROMT(R)

(c) 2004 The Gale Group. All rts. reserv.

07476002 Supplier Number: 62830150 (USE FORMAT 7 FOR FULLTEXT)

**Veicon Technology Announces Under \$500 Internet Access Device for Hotel**

**Guests; In-Room Terminals Let Visitors Leave their PCs at Home.**

Business Wire, p0246

June 20, 2000

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 573

... Link/HIT overcomes the obstacles inherent in other Internet access devices for hotel rooms. Unlike **low - resolution** TV-based Internet access devices, V-Link/HIT provides a **high - resolution graphic display** and full access to standard **Internet** and office productivity tools. Unlike personal computers, V-Link/HIT terminals are much lower maintenance...

**24/3,K/5 (Item 2 from file: 16)**

DIALOG(R)File 16:Gale Group PROMT(R)

(c) 2004 The Gale Group. All rts. reserv.

07398994 Supplier Number: 62235190 (USE FORMAT 7 FOR FULLTEXT)

**China samples broadband spin. (Industry Trend or Event)**

Liu, Sunray

Electronic Engineering Times, p40

May 22, 2000

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 365

... makers in the form of processor orders from consumer electronics manufacturers.

WebScope, the Cathay Roxus **image** -processing technology, was developed to address the **low resolution** of TV-screen Web browsing. It provides **high - resolution** Web **images** selected via mouse or TV remote controller. The user would manipulate the mouse or remote to zoom in and out and to move around on the screen, selecting portions for **high -**

**resolution** display. The technology is expected to make TVs and set-top boxes commercially viable for capturing and **displaying Internet** pages.  
<http://www.eetimes.com/>  
Copyright (copyright) 2000 CMP Media Inc.

24/3,K/6 (Item 3 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2004 The Gale Group. All rts. reserv.

05774298 Supplier Number: 50262420 (USE FORMAT 7 FOR FULLTEXT)

**Live Picture to demo FlashPix in "Network Publishing"**

Walter, Mark

The Seybold Report on Internet Publishing, v3, n1, p19

Sept, 1998

Language: English Record Type: Fulltext

Article Type: Article

Document Type: Newsletter; Trade

Word Count: 661

... The real sticking point at this time is the lack of common communication protocol for **browsers** and **print** devices to communicate their characteristics to the server. Live **Picture**'s demo, like the new NEC 4400 (see page 16), uses special software that can be downloaded to the printer or client desktop. Until such software is supplied with the **browsers** and **printers**, applications may be limited to situations in which both publisher and customer are willing to install the software. One example might be a corporate **graphic** services group that has **high - resolution** printers on its LAN but wants to offer employees on the company intranet **low - resolution** proxy views of complex sales collateral. Likewise, a printer or prepress service bureau might use...

24/3,K/7 (Item 1 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter  
(c) 2004 The Dialog Corp. All rts. reserv.

12628594 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**HEWLETT PACKARD: HP unleashes opportunities for image owners with new print on demand poster e service; HP Appliances and "Always on" Internet infrastructure turn digital images into posters**

M2 PRESSWIRE

August 30, 2000

JOURNAL CODE: WMPR LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 863

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... and turn-around time; extracting the low-resolution image information and matching it with the **high - resolution image** file stored on the Team Rahal server; and assigning the job to the appropriate HP CPC and sending the job to the CPC's **Internet print** server.

The HP **Internet print** server, which is designed to communicate with HP Internet-printing gateway technology, is installed at...

24/3,K/8 (Item 1 from file: 47)

DIALOG(R)File 47:Gale Group Magazine DB(TM)  
(c) 2004 The Gale group. All rts. reserv.

05213941 SUPPLIER NUMBER: 21058542 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Epson PhotoPC 700. (camera) (Evaluation)**  
Petersen's Photographic, v27, n5, p46(3)  
Sep, 1998  
DOCUMENT TYPE: Evaluation ISSN: 0199-4913 LANGUAGE: English  
RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 1642 LINE COUNT: 00122

... megapixel CCD produces beautiful images in color and black-and-white.

Megapixel resolution means each **image** is made up of at least a million **picture** elements (pixels). There are more things that affect **image** quality than just pixel count, of course - lens quality, exposure system and AF system accuracy, and **image** compression among them - but, since pixel count is the hot spec these days, let's consider that first. The PhotoPC 700's 1.25-megapixel color CCD provides **image** resolutions up to 1280x960 pixels (1.23 megapixels). These **high - resolution images** are compressed to give you more shots before you fill the camera's built-in ...

...instead of color, plus a standard setting, which allows you to record up to 39 **lower - resolution** 640x480-pixel **pictures** (the 640x480 **images** are fine for screen **display** and **Internet** use, but not for hard-copy blow-ups). **Image** -quality modes are set by pressing the star button atop the camera, the set mode...

...accompanied by a BW in monochrome mode). You can choose a different setting for each **image** if you wish, shooting especially important **images** at higher quality, and lesser ones at lower quality to optimize shooting capacity.

The PhotoPC...

**24/3,K/9 (Item 2 from file: 47)**

DIALOG(R)File 47:Gale Group Magazine DB(TM)  
(c) 2004 The Gale group. All rts. reserv.

04822450 SUPPLIER NUMBER: 19318844 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Building a digital library: concepts and issues. (part 2: text, images, geographic data services) (includes related information on Serial Item Contribution Identifier)**  
Barber, David  
Library Technology Reports, v32, n5, p619(43)  
Sep-Oct, 1996  
ISSN: 0024-2586 LANGUAGE: English RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 20551 LINE COUNT: 01569

... image viewer creates its own window and displays the image within it.

Images which are **displayed** inline in a WWW **browser** can be linked to other WWW resources, e.g., to a specific resource, or made into an **imagemap**. If an **imagemap**, clicking on different parts of the **image** will result in different actions. For example, when a user clicks on part of a **low resolution image** of a map, the corresponding section of the **high - resolution** file might be retrieved. If a different place is selected on which to click, a different section of the **high - resolution** file would be retrieved.

The opportunities available for manipulation of inline images encourage the development...

24/3,K/10 (Item 1 from file: 264)  
DIALOG(R)File 264:DIALOG Defense Newsletters  
(c) 2004 The Dialog Corp. All rts. reserv.

00051827

**Decision on Sale of One-Half Meter Resolution Imagery Expected Soon**  
Defense Daily  
May 16, 2000 VOL: 206 ISSUE: 32 DOCUMENT TYPE: NEWSLETTER  
PUBLISHER: PHILLIPS BUSINESS INFORMATION  
LANGUAGE: ENGLISH WORD COUNT: 1 RECORD TYPE: FULLTEXT

(c) PHILLIPS PUBLISHING INTERNATIONAL All Rts. Reserv.

TEXT:

...weeks on  
whether commercial companies should be permitted to sell one-half meter  
resolution satellite **imagery**, much better quality than that currently  
available  
on the global market, government and industry officials...

...though the remaining  
disagreements on whether to grant the licenses for open sales of that  
**imagery**.  
The Commerce Department is the agency responsible for granting those  
licenses.

If the one-half...

...he expects a decision to be  
announced in the next few weeks.

The commercial satellite **imagery** industry has been pushing for the  
ruling  
so that they can make the **imagery** available before other nations do so.  
Industry  
officials also argue it will take close to...

...standpoint.

"They think that there is a good business case for the one-half  
resolution **imagery**," Skinner said. However, there are national security  
concerns  
for releasing that quality of **imagery** and "it's a scary thing," he told  
reporters following a panel discussion on the topic.

Recently, the Federation of American Scientists published 1-meter  
high

resolution **images** provided by a Space Imaging Ikonos satellite that  
showed  
military buildup in China as well...  
...only to the intelligence world.

While military and intelligence officials are beginning to  
acknowledge  
such **imagery** is becoming increasingly available around the globe, they  
are still  
reluctant to give a full endorsement to companies for taking the lead on  
high -  
resolution sales.

Army Lt. Gen. James King, director of the National **Imagery** and  
Mapping  
Agency (NIMA), said NIMA and the National Reconnaissance Office (NRO) want  
to  
transition to the commercial world for low - and medium- resolution needs

of DoD

and the intelligence community. The goal is to go on contract more with companies to provide services for **imagery** collection, rather than simply providing raw **imagery**, he said.

However, when it comes to the high-quality **imagery**, King cautioned against giving away too many secrets too fast or drafting a policy haphazardly...

...time for implementing this decision," he added.

Meanwhile, NIMA and NRO have developed a new **imagery** strategy that includes commercial and national **imagery** collectors, he noted.

NIMA is buying a large number of commercial **imagery** based products, King noted. For example, the agency intends to spend \$51 million to acquire...

...from private industry, he noted.

Industry is pushing the government decision makers to acknowledge this

**imagery** will sooner rather than later be available from other governments.

"We hope the policy will...

...LMT] and

Raytheon [RTNA/RTNB], was the first company to provide 1-meter resolution satellite **imagery** to the commercial market using the Ikonos satellite.

Military officials are not only concerned about the distribution of high -

resolution data, but also how that data is adapted and distributed. For example,

**imagery** can now be easily displayed and transferred via the Internet.

Gene Colabatistto, president of France's Spot **Image**, said instead of talking about how to limit use of the Internet, "we should look...

...The United States

is in the lead in the adaptation technologies to use the satellite **imagery**, he

said.

"We find the U.S. way ahead in adaptation of computers...and adaptation...

24/3,K/11 (Item 1 from file: 636)

DIALOG(R)File 636:Gale Group Newsletter DB(TM)

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04765228 Supplier Number: 64775000 (USE FORMAT 7 FOR FULLTEXT)

**HP unleashes opportunities for image owners with new print-on-demand poster e-service; HP Appliances and "Always on" Internet infrastructure turn digital images into posters.**

M2 Presswire, pNA

August 30, 2000

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 916

... Bobby Rahal or Shell driver Kenny Brack. Once the poster order is generated, HP's **Internet - printing** gateway takes over and begins the poster fulfillment process by doing the following: analyzing the...based on

location, finishing needs, shipping and poster costs, and turn-around time; extracting the **low - resolution image** information and matching it with the **high - resolution image** file stored on the Team Rahal server; and assigning the job to the appropriate HP CPC and sending the job to the CPC's **Internet print** server.

The HP **Internet print** server, which is designed to communicate with HP Internet-printing gateway technology, is installed at...

**24/3,K/12 (Item 2 from file: 636)**

DIALOG(R)File 636:Gale Group Newsletter DB(TM)

(c) 2004 The Gale Group. All rts. reserv.

04148001 Supplier Number: 54402260 (USE FORMAT 7 FOR FULLTEXT)

**SHARP: Sharp introduces the new Personal Information Tool.**

M2 Presswire, pNA

April 15, 1999

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 5806

... displaying Internet information in real time in a palmtop unit

\* High-resolution VGA LCD revolutionizes **Internet** access

To **display Internet** information "as is" in a palm-top size unit, the MI-EX1 uses a 4-inch, **high - resolution**, **low -temperature** polysilicon TFT color LCD. This fine-detail, **high - resolution** LCDs small-point-size text, **photographs** and maps crisply, clearly, and cleanly with a quality that will revolutionize mobile Internet lifestyles...

**24/3,K/13 (Item 3 from file: 636)**

DIALOG(R)File 636:Gale Group Newsletter DB(TM)

(c) 2004 The Gale Group. All rts. reserv.

02213428 Supplier Number: 44202982 (USE FORMAT 7 FOR FULLTEXT)

**LIBRARY OF HIGH-RESOLUTION BACKGROUND TEXTURES OFFERED ON CD-ROM**

Imaging Update, v4, n11, pN/A

Nov, 1993

Language: English Record Type: Fulltext

Document Type: Newsletter; Trade

Word Count: 510

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...introduced Page Overtures One, the first in a new series of CD-ROM libraries of **high - resolution**, full- page, background textures for color printing, multimedia, and slide production. The disc contains 100 royalty-free, professionally **photographed images** that provide exquisite backdrops for the users own text and art. The **images** cover a wide variety of themes including Food, Rock, Wood, Metal, Granite, Marble, Fine Paper, Clouds, Water, Fabric, Fire, Concrete & Stucco, Industrial Grunge, Electronics, Masonry, and Foliage. Each **image** comes in 24-bit color and is supplied in four different **resolutions** : a **High - Resolution** version ( 9x12 in. @ 266 DPI) for **high resolution** printing; a **Low - Resolution** version (9x12 in. @ 72 dpi) that can be used as a placement **graphic** for the Hi-Res version in page layout applications; a slide version (1850 x 1250...

...as a multimedia, video, or presentation background. In addition, the product ships with electronic and **printed browsers** that show thumbnail

representations of the **images** for quick search and retrieval.

24/3,K/14 (Item 1 from file: 647)

DIALOG(R)File 647:CMP Computer Fulltext  
(c) 2004 CMP Media, LLC. All rts. reserv.

01216145 CMP ACCESSION NUMBER: EET20000522S0043

**China samples broadband spin**

Sunray Liu

ELECTRONIC ENGINEERING TIMES, 2000, n 1114, PG40

PUBLICATION DATE: 000522

JOURNAL CODE: EET LANGUAGE: English

RECORD TYPE: Fulltext

SECTION HEADING: International

WORD COUNT: 367

... makers in the form of processor orders from consumer electronics manufacturers.

WebScope, the Cathay Roxus **image**-processing technology, was developed to address the **low resolution** of TV-screen Web browsing. It provides **high - resolution** Web **images** selected via mouse or TV remote controller. The user would manipulate the mouse or remote to zoom in and out and to move around on the screen, selecting portions for **high - resolution** display. The technology is expected to make TVs and set-top boxes commercially viable for capturing and **displaying Internet** pages.

<http://www.eetimes.com/>

Copyright 2000 CMP Media Inc.

24/3,K/15 (Item 2 from file: 647)

DIALOG(R)File 647:CMP Computer Fulltext  
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01159017 CMP ACCESSION NUMBER: HPC19980501S0021

**Web Watch** (Hot Stuff!-Cool products and the latest trends)

Norbert Turek

HOME PC, 1998, n 505, PG53

PUBLICATION DATE: 980501

JOURNAL CODE: HPC LANGUAGE: English

RECORD TYPE: Fulltext

SECTION HEADING: Buyer's Guide

WORD COUNT: 341

... mayor!

Homestead Technologies, [www.homestead.com](http://www.homestead.com), (650) 306-0670  
EZCheckOut #455

- FujiFilm.Net. Fuji's **photo**-development service combines **Internet** access to your color **prints** with **high - resolution** archived **images**. Registered FujiFilm.Net members (\$4.95 per month, plus the cost of film development) get a "lite" version of the FujiFilm Album software, for **photo** management; online storage of 125 **pictures**; and insurance for photos archived at the site. While the online **images** are typical **low - resolution**, Fuji's lab keeps a **high - resolution** record, ensuring that your reprints will be **picture**-perfect every time.

Fuji Photo Film U.S.A., (888) 511-3854, [www.fujifilm.net](http://www.fujifilm.net)...

24/3,K/16 (Item 3 from file: 647)  
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01153261 CMP ACCESSION NUMBER: IWK19980216S0059

Dial-Up Images (In Short)

INFORMATIONWEEK, 1998, n 669, PG94

PUBLICATION DATE: 980216

JOURNAL CODE: IWK LANGUAGE: English

RECORD TYPE: Fulltext

SECTION HEADING: Intranets/Internet

WORD COUNT: 101

TEXT:

Live **Picture** Inc. has unveiled a line of **image** servers that let anyone using a standard Web browser view **high - resolution images** over a dial-up connection. Users can view the entire **image** initially in **low resolution** followed by increasingly detailed close-ups of selected portions. The software is intended for use by **Internet** retailers who want to **display** photos of merchandise, as well as by companies that want to share **high - resolution images** on an intranet or extranet. Live **Picture Image** Server Standard Edition will be generally available next month. Pricing ranges from \$495 to \$20...

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